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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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Calcutta, the 16th May 1987

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APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017

The dates shown in the crescent brackets are the dates claimed under Section 135 of the Patents Act, 1970.

The 9th April, 1987

283/Cal/87. Beloit Corporation. High density separator.

284/Cal/87. Beloit Corporation. Disc screen improvement for chip screen efficiency.

The 10th April, 1987

285/Cal/87. Arlin C. Lewis. Electrochemical activation of chemical reactions.

286/Cal/87. Sulzer Brothers Limited. A loom frame.

287/Cal/87. Westinghouse Electric Corporation. Improvements in or relating to face connected instrument transformer.

288/Cal/87. Westinghouse Electric Corporation. Circuit breaker with visible trip indicator.

289/Cal/87. E.I. Du Pont De Nemours and Company. Stabilized polyacetal compositions.

290/Cal/87. E. I. Du Pont De Nemours and Company. Beneficial use of water in catalytic conversion of formamides to isocyanates.

291/Cal/87. E. I. Du Pont De Nemours and Company. Stabilized polyacetal compositions.

APPLICATION FOR THE PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-5

The 17th March, 1987

221/Del/87. Bharat Heavy Electricals Limited, "Improvement in or relevant to power supplies for electrostatic precipitators."

222/Del/87. National Research Development Corporation of India, "Cathode for use in a fuel cell".

223/Del/87. Exxon Chemical Patents Inc., "Liquid fuel compositions". (Convention date 18th March, 1986, 16th April, 1986, U.K.).

224/Del/87. Toray Industries, Inc., "Apparatus for separating cell suspension".

The 18th March, 1987

225/Del/87. Imperial Chemical Industries PLC., "Polymeric polyamines". (Convention date 26th March, 1986 & 17th June, 1986, U.K.).

226/Del/87. Imperial Chemical Industries Plc., "Improvements in genetic probes". (Convention date 19th March, 1986, U.K.).

227/Del/87. Kolimorgen Technologies Corporation, "A method for the manufacture of printed circuit patterns". [Divisional date 4th June, 1984].

228/Del/87. Imperial Chemical Industries Plc., "Process for preparing polyurea and polyurea/polyurethane polymers". (Convention date 26th March, 1986 & 17th June, 1986 U.K.).

229/Del/87. Colgate-Palmolive Company, "Antiplaque oral composition".

230/Del/87. The Malaysian Rubber Producers' Research Association, "Elastoplastic Compositions". (Convention date 19th March, 1986, U.K.).

231/Del/87. Kubota Ltd, "Vertical grinding mill".

232/Del/87. The B.F. Goodrich Company, "Qualification of the quality of fluidization using a thermocouple".

233/Del/87. The B.F. Goodrich Company, "Microbial Degradation of hydrocarbons".

The 19th March, 1987

234/Del/87. National Council for Cement and Building Materials, "A process for the preparation of well cement".

235/Del/87. National Council for Cement and Building Materials"., "A process for the preparation of coil well cements".

236/Del/87. Indian Institute of Technology, "A process for the preparation of an affinity medium for concanavalia a interacting glycoconjugates".

237/Del/87. The Lubrizol Corporation, "Lubricant composition".

238/Del/87. Solly Katz, "Fluid dispenser".

239/Del/87. Roger Martin Hall, "Two-Stroke Engine". (Convention date 21st March, 1986, 14th November, 1986, Australia).

240/Del/87. The M. W. Kellogg Company, "Flexible feed pyrolysis process".

The 20th March, 1987

241/Del/87. Societe Chimique ,Des Charbonnages S.A. "Polyolefin compositions and articles produced therefrom".

242/Del/87. Ganga Sharan Sharma, "Dew Point air cooler".

243/Del/87. Rene Bernard Guillot, "Process and device for the extraction by ultrasonics of oleaginous products from oilseeds".

244/Del/87. Societa' Cavi Pirellia S.p.A, "Electrical cable with extruded insulation, having a filled conductor, filler for conductors of electrical cables, and the cable manufacturing process".

245/Del/87. Anver, "Process for obtaining finished leather parts from elements of raw leather".

APPLICATIONS FOR PATENT FILED IN THE PATENT OFFICE BOMBAY BRANH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

2-3-1987

56/BOM/87	J. G. Gvalani	A modified dovice for teaching multiplication tables.

6-3-1987

57/BOM/87	K. R. Dholaria	A cushion for passenger travelling in passenger vehicles.
58/BOM/87	S. S. Kinariwala	Improved builder cam mechanism.
59/BOM/87	Dr. D. R. Baruah & Mrs. N. Baruah.	An improved bovine bioprosthetic heart valve.
60/BOM/87	-do-	An improved mechanical heart valve.

9-3-1987

61/BOM/87	V. A. Kasar	Improved weather conditioner.
62/BOM/87	Safari Industries (India) Limited	An improved automatic chain link safety lock for a suitcase.
63/BOM/87	A. G. Ogale	A process and apparatus for casting.
64/BOM/87	Universal Luggage Manufacturing Co. Ltd.	A lock.
65/BOM/87	P. K. Ratnaparkhi	Solar water heaters using heat pipes.

10-3-1987

66/BOM/87	Hindustan Lever Ltd. (14-3-1986 Great Britain)	Skin treatment composition.
67/BOM/87	-do-	Deteregent bleach composition, bleaching compositions and bleach activators.
68/BOM/87	Ben Gurion University of the Negev	Powdered composition for the manufacture of soft ice-cream and of milk product drinks.
69/BOM/87	-do-	Powdered compositions for the manufacture of soft yogurt ice-cream.

11-3-1987

70/BOM/87	M. Sharma & Smt. S. Sharma	An improved burner for kerosin stove for achieving greater thermal efficiency and to economical fuel consumption with inside pin system.
71/BOM/87	Dr. V. G. Gaikar & Prof. M. Sharma	A novel method of separating mixtures of metacresol and para-cresol.
72/BOM/87	-do-	Extractive distillation with hydrotropes.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 23rd March, 1987

207/Mas/87. G. VENKATARAMANA BHAT, "Defectless Carburator".

208/Mas/87. G. VENKATARAMANA BHAT, "Defectless Fuel Injection Pump".

209/Mas/87. MITSUBOSHI BELTING LIMITED, Fabric-Covered Cogged Belt.

The 24th March, 1987

210/Mas/87. PANKAJ BIR, "Improvements in or relating to a Chamfering Machine".

211/Mas/87. ENIRICERCHE S.P.A. AND ENICHEM AUGUSTA S.P.A., Process for the Extraction of Paraffins from Mixtures thereof with alkane-Sulphonic Acids.

212/Mas/87. MASCHINENFABRIK RIETER AG, Arrangement for cleaning the Flats in a revolving Flats Card.

213/Mas/87. THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, "A Machine for Precleaning of Seed Cotton to Improve the Quality of Indian Cottons".

The 25th March, 1987

214/Mas/87. SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Process and Apparatus for contacting Particulate Solids with a Fluid. (March 27th, 1986, Great Britain).

215/Mas/87. SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V., Apparatus and Process for Mixing Fluids. (March 27th, 1986, Great Britain).

216/Mas/87. RHONE-POULENC CHIMIE, "Stabilized Aqueous Composition of Water-Soluble Polymers".

The 26th March, 1987

217 Mas/87. SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION LIMITED, A Process of Preparing Polyacrylamide by the Polymerization and Hydrolysis of Acrylamide.

218/Mas/87. TUBE INVESTMENTS OF INDIA LIMITED, A Centre Stand Assembly for use with a Bicycle.

219/Mas/87. HOECHST AKTIENGESELLSCHAFT, "Process for Making Azo Pigments".

220/Mas/87. HOECHST AKTIENGESELLSCHAFT, Process for making Azo Pigments".

221/Mas/87. HOECHST AWTIENGESELLSCHAFT, Process for the Preparation of a Filled Polyolefin Molding Material.

The 27th March 1987

222/Mas/87. CABLE BELT LIMITED, Conveyor Belts. (March 27th, 1986, U.K.).

223/Mas/87. MERLIN GERIN A FRENCH COMPANY, Puffer Type Electrical Circuit Breaker Having a High Dielectric Withstand.

224/Mas/87. INSTITUT FRANCAIS DU PETROLE , A FRENCH BODY CORPORATE, "Catalytic Reforming Process".

225/Mas/87. LABORATOIRES FLORK S.A., Process for the Industrial Preparation of Amino Acids by the Hydrolysis of Proteins in a Sulphuric Acid Medium.

226/Mas/87. ERRMPALLY GIFTY CHARLES, "Lisalites".

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CLASS : 32F$_3$(6) & 17 D 159391

Int. Cl. : C12c 11/00.

A PROCESS FOR THE CONVERSION OF CELLULOSIC MATERIAL TO POWER ALCOHOL.

Applicant : PUNJAB TRACTORS LTD., OF PHASE IV, SAHIBZADA AJIT SINGH NAGAR, DISTT. ROPAR-160 051, INDIA, AN INDIAN COMPANY.

Inventors : DHARAM VIR VADEHRA & SANJEEV BATRA.

Application for Patent No. 12/Del/81 filed on 7th January, 1981.

Application for Patent No. 13/Del/81 filed on 7th January, 1981.

The provisional specifications cognated and one complete specification left on 11th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A process for conversion of cellulosic materials into power alcohol which comprises in grinding said material to a power, subjecting said powdered cellulose to step of alkali treatment at a temperature of 60°C to 70°C for a period of 2 to 4 hours in the absence of pressure to cause a separation of lignin and hemicellulose components therefrom, subjecting the cellulosic component obtained therefrom to an enzyme treatment by injecting an enzyme such as trichoderma to obtain glucose, said step of alkali or enzymatic treatment being carried out in the presence of a surfactant, such as hereinbefore described concentrating said glucose in a known manner as for example by evaporation, subjecting the concentrated glucose to the step of fermentation to obtain alcohol in a known manner.

Provisional specification 7 pages.

Complete specification 10 pages.

CLASS : 5 D[I(1)]; 99F[XL(4)]; 179 E[XL(6)] & 179 F[XL(6)] 159392

Int. Cl. : B 05 b—5/00 & B 65 d—100.

CONTAINERS FOR USE IN ELECTROSTATIC SPRAYING.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., FORMERLY IMPERIAL CHEMICAL INDUSTRIES LIMITED, A BRITISH COMPANY OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SWIP 3JF, ENGLAND.

Inventors : RONALD ALAN COFFEE AND PETER CHARLES BENNETT.

Application for Patent No. 688/Del/1981 filed on 26th October, 1981.

Convention Application No. 8036174 filed on 11-11-1980 (United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A container for mounting on a holder for the electrostatic spraying of liquids said container including a vessel having a neck and an electrically-conductive nozzle in said neck having a body, a mouth for dispensing liquid from the vessel & an air-bleed for feeding air into the vessel; said body comprising vertically aligned co-axial outer and inner tubes, the outer tube being shorter and said inner tube having an upper end extending at least into the neck of the vessel; said mouth being formed by an annular gap between adjacent lower ends of the tubes; characterised in that the outer tube has

a height at least twice its diameter and ribs are provided on the surface of said outer tube to space it from said inner tube and to form narrow, axially extended channels communicating with the vessel to deliver liquid therefrom to the mouth; said air-bleed comprising a bung supported within the bore of said upper end of said inner tube, the bung and the bore cooperating to provide an extended pathway through which air can enter the vessel.

Compl. specn. 13 pages. Drg. 2 sheets

CLASS : 127 G 159393

Int. Cl. : F 16 h—3/00, 5/00.

AN IMPROVED SPEED REDUCER.

Applicant & Inventor : PANDURANG RAMCHANDRA SHINDE, G-36, MIDC INDUSTRIAL AREA, SATARA-415 004, MAHARASHTRA, INDIA.

Application No. 251/Bom/1984 filed September 10, 1984.

Complete after provisional filed on November 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims

An improved speed reducer comprising an input shaft assembly, an output shaft assembly and a cycloidal disc housed in a vertically splittable casing, the said input shaft assembly is having an input shaft fitted to an eccentric flange, said flange is provided with cluster of rollers at its rim; said output shaft assembly is having an output shaft having a flange at its one end said flange is provided with plurality of pins in spaced relationship and arranged in a single row and a plurality of rollers mounted on said pins; said cycloidal disc is having a central bore for seating the said cluster of rollers on the eccentric flange of said input shaft; a plurality of holes surrounding said central bore for eccentrically engaging the rollers on the said output shaft flange and the rim of said cycloidal disc is provided with corrugations, each of said corrugations engaging with a roller provided at the inner surface of a ring gear, the arrangement being such that when the said input shaft is rotated with the prime mover in clockwise direction the said output shaft rotates in the counter clockwise direction at reduced speed and the desired gear ratio at output shaft depends upon the difference in the number of said corrugations provided on the rim of said cycloidal disc and the number of rollers in the ring gear and wherein the reduced speed at the output shaft is always co-axial and uniform.

Compl. specn. 11 pages. Drg. 2 sheets

Provisional specn. 8 pages. Drg. 1 sheet

CLASS : 66 D9 159394

Int. Cl. : H0 1K 1/00.

A MULTI FILAMENT ELECTRIC LAMP.

Applicant & Inventor : VIPIN CHAMPSEY SHAH, 1552, NAPIER TOWN, JABALPUR, M.P.

Application No. 66/Bom/1985 filed March 12, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A multi-filament electric lamp having a plurality of filaments with one end of the filaments secured to a common lead-wire deployed laterally and terminating in a knob atop insulating cap of the lamp-knob A (Fig. 1) the other end of the filaments being attached to a different lead-wire each, with one of these lead-wires attached to knob B and the others projecting 2 to 3 millimetres from the cap of the lamp and awaiting the hooks of conducting material H_1, H_2, H_3 fixed to knob B to be pressed into contact with them for bringing the filament they represent into operation.

Compl. specn. 5 pages. Drg. 1 sheet

CLASS : 198 B [XXXIV(5)] 159395

Int. Cl. : B 03 d—1/02, 1/14.

A ROTOR AND STATOR ASSEMBLY FOR USE WITH A FLOTATION SEPARATION APPARATUS.

Applicant : DORR-OLIVER INCORPORATED, OF 77 HAVEMEYER LANE, STAMFORD, CONNECTICUT, UNITED STATES OF AMERICA, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, ENGINEERS.

Inventors : GEORGE ANTHONY LAWRENCE, MICHAEL JOHN PREVETT AND EUGENE LEROY SMITH.

Application for Patent No. 185/Del/1983 filed on 22nd March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A rotor and stator assembly for use with a flotation separation apparatus comprising :

(a) a stator comprising an annular array of stator blade members;

(b) said stator blade members defining a central cavity in which a rotor body is positioned;

(c) means extending between said stator blade members for supporting a plurality of said stator blade members;

(d) each of said stator blade members having a periphery with a curvilinear configuration conforming to a segment of a vortex;

(e) said rotor body having a hub member including first and second ends thereof, said hub member having a longitudinal axis;

(f) said rotor body having a plurality of rotor blades extending in a first direction transversely from said hub axis and in a second axial direction beyond a first end of said hub;

(g) a top plate mounted to said rotor blades; said top plate having an aperture formed therein;

(h) said rotor hub, said rotor blades and said top plate forming a gas chamber in said rotor body.

Compl. specn. 13 pages. Drg. 4 sheets

CLASS : 172-C_3 & D_4 159396

Int. Cl. : B 65 h 54/02, B 65 h 75/02, & D 02 g 1/00.

A COCOON FEEDER FOR USE IN THE CATHER OF THE COCOON REELING AUTOMATIC MACHINE.

Applicant : TSENTRALNY NAUCHNO-ISSLEDOVATELSKY INSTITUT PO PROIZVODSTVU I PERERABOTKE NATURALNOGO SHELKA, OF MARGILAN FERGANSKOI OBLASTI, ULITSA K. MARXA, 400, USSR.

Inventors : 1. GENNADY STEPANOVICH POZDNYAKOV, 2. LEONID VIKTOROVICH SHESTAKOV, 3. KHADZHIMAT ABDURAKHMANOV.

Application No. 575/Cal/83 filed May 7, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A cocoon feeder for use in the catcher of a cocoon reeling automatic machine, comprising a cacoon guiding passage disposed between a forecan and a reeling can of the automatic machine; a pipe arranged at an angle relative to said guide passage and communicated therewith by its one end portion; a cocoon pusher accommodated in said pipe so that it can reciprocate an electromagnet imparting a reciprocation motion to said cocoon pusher; said cocoon pusher made as a hermetically sealed hollow slide block made of a non-magnetic material and accommodating the armature of said electromagnet; a coil of said electromagnet, mounted concentrically on said pipe; said pipe which is additionally communicated by its second end portion with said guide passage.

Compl. specn. 12 pages. Drg. 2 sheets

CLASS : 98 I [VII(2)] 159397

Int. Cl. : F 24 j—3/02.

A SOLAR STILL.

Applicants : LALIT KUMAR DAS, GOPAL NATH TIWARI, BOTH INDIAN NATIONALS AND INDIAN INSTITUTE OF TECHNOLOGY, AN INDIAN INSTITUTE, ALL OF HAUZ KHAS, NEW DELHI-110016, INDIA.

Inventors : LALIT KUMAR DAS AND GOPAL NATH TIWARI.

Application of Patent No. 193/Del/1983 filed on 25th March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A solar still comprising a housing having an upper wall of transparent material so as to allow solar energy to pass therethrough, an outlet, a reservoir to store water therein, characterized in that a plurality of transportable members for transporting water from said reservoir into said housing, wherein the water directly being exposed to solar energy which is transmitted through said transparent sheet, gets evaporated, the lower surface of said transparent sheet having a temperature lower than that of the water vapours so as to cause condensation of the water vapours, and means for collecting the condensed water.

Compl. specn. 10 pages. Drg. 1 sheet

CLASS : 40 E & 40 F & 56E 159398

Int. Cl. : B 01 d 15/02, 53/08.

MULTI-VALVE APPARATUS FOR USE IN SORPTIVE SEPARATION PROCESSES.

Applicant : UOP INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A.

Inventor : MICHAEL WILLIAM GOLEM.

Application for Patent No. 378/Del/1983 filed on 6th June, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims

A multi-valve apparatus for use in sorptive separation processes which comprises :

(a) a fixed bed of a solid adsorbent retained in a fluid-solids contacting zone and divided into a number of sub-beds, with a separate conduit providing means for fluid addition and withdrawal between each sub-bed;

(b) a first tier of multi-valves comprising a plurality of sets of group valves being in communication with a different process stream conduit which is connected to the inlet of one of the group valves, each but the last of the group valves of each set being in communication with the inlet of another group valve of the same set of group valves and also in communication with a header valve of a hereinafter mentioned second tier of valves;

(c) said second tier of multi-port valves comprising a plurality of header valve sets comprising a first header valve and a second header valve arranged in parallel, with the inlet of the first header valve being in communication with a first set and a second set of said group valves and with the inlet of the second header valve being in communication with a third set and a fourth set of said group valves; and

(d) a third tier of multi-port valves comprising bedline valves having at least two outlets which are attached to said conduits providing means for fluid addition and withdrawal between each sub-bed, with the inlet of each bedline valve being in communication with an outlet of a first and a second header valve.

Compl. specn. 39 pages. Drg. 7 sheets

CLASS : 32F 3 c 159399

Int. Cl. : C 07 c 31/20.

PROCESS FOR PREPARING ETHYLENE GLYCOL.

Applicants : THE HALCON SD GROUP, INC. A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, HAVING ITS OFFICE AND PRINCIPAL PLACE OF BUSINESS AT 2 PARK AVENUE, NEW YORK, NEW YORK 10016, UNITED STATES OF AMERICA.

Inventor : VIJAY SHARAT CHANDRA BHISE.

Application for Patent No. 386/Del/1983 filed on 7th June, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A process for the preparation of ethylene glycol from an aqueous solution of ethylene oxide comprising the steps of :

(a) contacting said aqueous solution of ethylene oxide with sufficient carbon dioxide at near-critical or super-critical conditions to extract substantially all of the ethylene oxide into the carbon dioxide and forming an ethylene oxide-rich carbon dioxide phase containing a minor amount of water and an ethylene oxide-lean aqueous phase;

(b) contacting said ethylene oxide-rich carbon dioxide phase of (a) with a carbonation catalyst under carbonation conditions to form an ethylene carbonate-rich carbon dioxide stream;

(c) adding water to the catalyst-containing ethylene carbonate-rich stream of (b) and hydrolyzing said ethylene carbonate to ethylene glycol and carbon dioxide.

(d) flashing off from the ethylene glycol-containing stream of (c) the carbon dioxide formed in the hydrolysis and returning said carbon dioxide to the (near) super-critical extraction of (a);

(e) separating the ethylene glycol from the flashed stream of (d); and

(f) recovering and recycling to the carbonation reaction the catalyst added in (b).

Compl. specn. 17 pages. Drg. 2 sheets

CLASS : 55 E 4 159400

Int. Cl. : A 61k 27/00.

METHOD FOR PREPARING A CONTRACEPTIVE COMPOSITION.

Applicant(s) : NATIONAL STARCH AND CHEMICAL CORPORATION, A CORPORATION OF THE STATE OF DELAWARE, OF 10 FINDERNE AVENUE, BRIDGEWAER, STATE OF NEW JERSEY, U. S. A.

Inventor(s) : CHESTER D. SZYMANSKI.

Application for Patent NAo. 405/Del/1983 filed on 15th June, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A method for preparing a contraceptive composition for vaginal administration, which comprises the step of blending or dispersing a sulfonated homo-or copolymer of styrene, spermicidel agent of the kind such as herein described in a pharmaceutially acceptable carrier, said composition being in the form of a cream, foam, jelly or suppository.

Compl. specn. 13 pages. Drg 1 sheet

CLASS : 150 G 159401

Int. Cl. : F 16 l 21/02.

A RESILIENT SHAFT COUPLING.

Applicant : HACKFORTH GMBH & CO. KG OF HEERSTRASSE 66, 4690 HERNE 2 WEST GERMANY, A WEST GERMAN COMPANY.

Inventor : JURGEN WALTER MANFRED LUNKE ULRICH FALZ.

Application No. 181/Mas/84 filed 20th March, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A resilient shaft coupling comprising a resilient intermediate member transmitting torque between two rigid parts of a coupling and having external metal ring members in one or more peripheral parts, the ring members being connected in continuous or divided form by an elastomeric material such as rubber or plastics, preferably vulcanized in situ, characterized by the following features :

an axially projecting annular shoulder (7) abutting an edge region of the rubber element (4) is formed on the ring members (3) near the outer peripheral surface,

the inner peripheral edge (10) of the ring members (3) is given an approximately V-shaped cross-section the tip being rounded and the outer limb (11) of the V extending backwards towards the outer surface (12) of the ring member (3) and so forming a peripheral recess, and

a lip (13) is formed on the rubber element (4) in the neighbourhood of the inner peripheral edge (10) of the ring member (3) and surrounds the edge and fills the peripheral recess so that it is flush with the outer surface (12).

Compl. specn. 12 pages. Drg. 3 sheets

CLASS : 32 F_1 159402

Int. Cl. : CO 7 c—31/20.

AN IMPROVED PROCESS FOR THE PREPARATION OF DIBROMONEOPENTYL GLYCOL.

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE.

Inventors : DATTAPRASAD ACHYOT DABHOLKAR, GEETA UNNIKRISHNAN AND PRAKASH SINGH.

Application for Patent No. 428/Del/1983 filed on 24th June, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An improved process for the preparation of dibromoneopentyl glycol comprising the steps of adding aqueous hydrobromic acid to pentacrythritol in the presence of a solvent such as toluene, orthoxylene or water and a catalyst such as acetic acid to form a reaction mixture, characterized in that anhydrous hydrobromic acid is thereafter added to the said reaction mixture under mild agitation condition during the period of reaction, said reaction being carried out at a temperature of 100° to 130°C for a period of 5 hours.

Complete specification 10 pages.

CLASS : 32 F_1 159403

Int. Cl. : CO 1 b—11/02.

A PROCESS FOR THE PREPARATION OF CHLORENDIC ANHYDRIDE.

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEACH, 19 UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE REGISTERED UNDER THE SOCIETIES ACT.

Inventors : DATAPRASAD ACHYOT DABHOLKAR, GEETA UNNIKRISHNAN AND PRAKASH SINGH.

Application for Patent No. 429/Del/1983 filed on 24th June, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for the preparation of chlorendic anhydride which comprises in adding maleic anhydride solution to hexachlorocyclopentadiene to produce a reaction mixture characterized in that the reaction mixture is maintained at a temperature of between 140 to 160°C and in the absence of an inert atmosphere, refluxing the reaction mixture for a period of 6 to 10 hours at a temperature of 140 to 160°C, cooling the reaction product, adding a solvent such as liquid chlorinated benzene thereto and then subjecting the step of filtration and, finally, drying the chlorendic anhydride.

Complete specification 7 pages.

CLASS : 154 G 159404

Int. Cl. : B 41 n 1/24.

DUPLICATING STENCIL.

Applicant : GESTETNER MANUFACTURING LIMITED, A BRITISH COMPANY, (UNITED KINGDOM) OF FAWLEY ROAD, TOTTENHAM, LONDON N17 9LT, ENGLAND.

Inventors : LEWIS DAVIDSON, BRIAN LEES, & ERIC KYBROS LYTRA.

Application for Patent No. 462/Del/83 filed on 6th July, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A duplicating stencil for use on more than one type of duplicator, comprising a sheet of limp stencil material which is printed with markings to assist the user in positioning the image correctly on the stencil and has attached along one edge a stencil heading strip defined as two heading strip regions separated by an intended line of separation of the heading strip regions, each of said heading strip regions being provided with a respective array of mounting holes, said intended line of separation being parallel to and spaced from said edge of the limp sheet, and said markings defining an image field based on a single top edge of the copy sheet whereby the user, when positioning the image on the stencil before printing, does not need to choose from a range of different said top edges to suit a particular type of duplicator.

Compl. specn. 15 pages. Drg. 1 sheet

CLASS : 32 E 159405

Int. Cl. : C 12b 1/00.

PROCESS FOR THE PREPARATION OF OPEN PORE POLYMER GEL BEADS WITH DESIRED ENTRAPPED WHOLE CELLS FOR USE IN FERMENTATION REACTIONS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : HEPHZIBAH SIVARAMAN, BOOMARAJU SEETARAMA RAO, VEPATU SHANKAR, ARCHANA VISHNU POUNDEL AND CHURYA SIVARAMAN.

Application for Patent No. 57/Del/83 filed on 2nd February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

Process for the preparation of open pore polymer gels beads with desired entrapped whole cells for use in fermentation reactions comprising mixing, the desired cells with a solution of the polymeric material and an alginate salt solution forming composite beads thereof by treating the beads with organic or inorganic crosslinking agents and leaching out the alginate component to obtain open pore gel beads with entrapped whole cells.

Complete specification 9 pages.

CLASS : 32B 159406

Int. Cl. : C07c 11/00.

A CATALYTIC PROCESS FOR THE CONVERSION OF METHANOL TO OLEFINS RICH HYDROCARBONS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : SUNEETA BALVANT KULKARNI, PAUL RATNASAMY, IKKANDATH BALAKRISHNAN AND BOLLAPRAGADA SESHANGIRI RAO.

Application for Patent No. 58/Del/1983 filed on 2nd February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A catalytic process for the conversion of methanol to olefine rich hydrocarbons comprising contacting methanol in vapour phase at atmospheric pressure the catalyst composite material containing a bromide salt of an ammonium compound of chemical formula A_xB_yN+ wherein A and B are alkyl radicals with 1–4 carbon atoms and wherein A and B are alkyl radicals with 1–4 carbon atoms and wherein A may or may not be same as B and the values of x and y may vary between 1 and 3, the value of x may or may not be same as that of and the sum of values of x and y is equal to 4, prepared by the process described and claimed in our copending application No. 115/Del/1983 by reacting oxides of sodium, aluminium and silican with a bromide salt of an ammonium compound of formula A_xB_yN+ wherein A, B, X and Y have the meanings given above, heating the resultant gel at 100° to 200°C separating the gel as a wet cake, drying and calcining the same at upto 50°C, subjecting the resulting solid product to an ion exchange treatment with an ammonium salt combined with a proton or metal ion, if desired with a binder.

Complete specification 8 pages.

CLASS : 39 L [III] 159407

Int. Cl. : B 01 j—11/00.

A PROCESS FOR THE PREPARATION OF COMPOSITE CATALYST MATERIAL.

Applicant(s) : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : SUNEETA BALVANT KULKARNI, PAUL RATNASAMY, IKKANDATH BALKRISHNAN AND VASUDEO PADURANG SHIRALKAR.

Application for Patent No. 115/Del/1983 filed on 22nd February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A process for the preparation of composite catalyst material comprising reacting oxides of sodium, aluminium and silicon with a bromide salt of an ammonium compound of formula $A_xB_yN+B_z$ wherein A and B are alkyl radicals with 1–4 carbon atoms, A and B are same or different and X and Y are digits between 1 and 3, the value of X is same or different than that of Y, the sum of values X and Y being equal to 4 in an acidic aqueous solution to form a gel, heating the resultant gel at 100° to 200°C, separating the gel as a wet cake on filtration, drying and calcining the same at upto 550°C, subjecting the resultant solid product to an ion exchange treatment with an ammonium salt combined with a proton or a metal ion, if desired, and a binder to obtain the desired composite catalyst material with a molar ratio of sodium oxide to aluminium oxide in the range of 0.03 and 3.

Complete specification 14 pages.

CLASS : 146 C & 126 A 159408

Int. Cl. : G01n, 29/00 & G10L, 1/00.

AN INTER-LOCKING ULTRASONIC TEST JIG.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : YELIAMRAJU VENKATA RAMANA.

Application for Patent 295/Del/1983 filed on 10th May, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

An interlocking ultrasonic test jig useful for measurement of acoustic characteristics of solids in their ambient state, comprising two identical ultrasonic transducers (A&B) which convert at one end of solid sample, electrical pulses to ultrasonic signals and convert them back to electrical signal at the other end, each having a conducting cable which is held by an amphenol connector and is seated on a body the active wire of this cable is connected to a conducting terminal which is separated from the body by an insulated rigid ring piezoceramic discs fixed at the inner ends of the transducers, the conducting terminal through a metal cylinder providing the electrical contact to the discs, the transducers are held together with the help of interconnecting collar having a hemispherical cross section which allows the linear forward and reverse movement thereof in the same axis and serves also as the seat for the sample at its central hemispherical cut section to realise identical conditions of transducer alignment, acoustic contact, nominal stress and check against the sample fans for parallelism.

Provisional specn. 8 pages. Drg. 2 sheets

Complete specification 10 pages.

CLASS : 32D & 40B 159409

Int. Cl. : CO 7 d 103/00 & 105/02.

A PROCESS FOR THE PREPARATION OF HOMOGENEOUS METAL CHIRAL LIGANDS CATALYSTS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : VASANT NAGESH GOGTE, ARVIND ANANT NATU & RENU RANJIT SINGH AHUJA.

Application for Patent No. 296/Del/83 filed on 10th May, 1983.

Complete specification left on 8th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for the preparation of homogeneous metal chiral ligand catalysts which comprises heating a ligand like alkaloids such as herein described with molybdenum or its compounds at a temperature of 50–120°C and at atmospheric pressure.

Provisional specification 6 pages.

Compl. specn. 6 pages. Drg. 5 sheets

CLASS : 68 E & I & 206 E 159410

Int. Cl. : H01 1 7/00.

AN IMPROVED PROCESS FOR MANUFACTURE OF SILICON VARACTOR DIODE FROM EPITAXIAL WAFER.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RAM PRATAP GUPTA, MAHESH KUMAR SHARMA, WAMAN SADASHIV KHOKLE, DWARAKA PRASAD RUNTHALA, ASHOK KUMAR RAY & PURUSHOTTAM DAS VYAS.

Application for Patent No. 317/Del/83 filed on 16th May, 1983.

Complete specification left on 7th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for manufacture of silicon varactor diode from epitaxial wafer which comprises heating silicon epitaxial wafer to grow silicon dioxide on its surface, coating the oxidised surface with a photo sensitive material, exposing the treated surface to ultra violet lights through a mask containing opaque and transparent areas, etching with hydrofluoric acid to open windows on the oxide layer ,heating the wafers in an atmosphere of phosphine in silane, oxygen and nitrogen to form a phosphorous doped oxide layer on the surface, the chemical vapour deposited (CVD) wafer being further heated in an inert atmosphere to defuse phosphorous atoms into the silicon, removing the CVD oxide by treatment with hydrofluoric acid, diffusing boron using boron nitride, vacuum depositing alumina photolithographically removing aluminium from unwanted places, etching the aluminium and heating the metalised wager in an inert atmosphere.

(Provisional specification 5 pages).

Compl. specn. 10 pages. Drg. 1 sheet

CLASS : $32F_{1\ \&\ 2(6)}$ 159411

Int. Cl. : CO 7 d 27/00.

PROCESS FOR THE PREPARATION OF N-2-(PHENOXYACETYL)-PYRROLIDINES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : LARUNAMOY KAR, BHOLA NATH DHAWAN, AWADHESH KUMAR GUPTA AND JAGDISH SINGH CHANHAN.

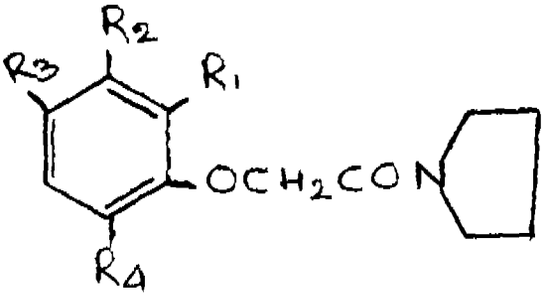
Application for Patent No. 346/Del/83 filed on 24th May, 1983.

Complete specification left on 22nd August, 1984.

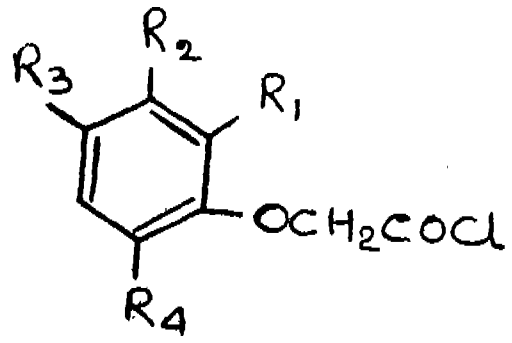
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

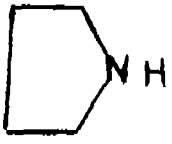
A process for the preparation of anti allergic compounds of the formula III shown in fig. I



wherein R_1, R_2, R_3 and R_4 are substituents selected from chloro methyl or methoxy and is same or different which comprises reacting a phenoxy acetyl chloride of the formula I



wherein R_1, R_2, R_3 and R_4 are as defined above with pyrrolidine of the formula II



in the presence of acqueous solution of alkali filtering and crystallising the resultant product by known methods.

Provisional specification 6 pages.

compl. specn. 9 pages. Drg. 1 sheet

CLASS : 129D 159412

Int. Cl. : B 23 k—3/02.

AN IMPROVED FLUX COMPOSITION.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SISIR KUMAR BHATTACHARYA, NANDA DULAL DAS AND SATIPRASAD DASGUPTA.

Application for Patent No. 348/Del/1983 filed on 24th May 1983.

Complete specification left on 23rd August 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A flux composition for use in soldering cast iron and cast brass components below the tranition point of casting e.g. at or below 350°C, particularly for rectification of defects in porosities and blow-holes developed in castings of same comprising 65–70% by weight of tin chloride, 1–2% by weight of sodium bromide, 8–10% by weight of ammonium chloride and 20–25% by weight of lead chloride.

Provisional specification 3 pages.

Complete specification 7 pages.

CLASS : 55E 4[XIX(1)] 159413

Int. Cl. : A 61k 27/14.

A PROCESS FOR THE PREPARATION OF ACTIVE ANTI-DIABETIC EXTRACT OF CATHARANHTHUS ROSEUS.

Applicant(s): COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s): ANITA PAKRASHI, SUKHANDER BIKAS CHAUDHURI, SAMIR KUMAR MUKHERJEE, VENKATACHALAM SESHA GIRI & SATYESH CHANDRE PAKRASHI.

Application for Patent No. 382/Del/1983 filed on 7th June, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the preparation of active antidiabetic extracts from the leaves of *Catharanthus roseus*, commonly known as *Vinca rosea* comprises macertaing and infusing successively the leaves of Catharanthus roseus, lyophilising the extract so obtained and successively extracting the with n. butanol, evaporating the extract under reduced pressure and at low temperature.

Compl. specn. 8 pages. Drg. Nil

CLASS : 32F 3a 159414

Int. Cl. : C 07d 5/16.

ELECTROCHEMICAL PROCESS FOR THE PREPARATION OF 2, 5 DIHYDRO 2. 5 DIMETHOXY FURAN FROM FURAN.

Applicant(s): COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s): HANDADY VENKATAKRISHNA UDUPA, VENKATASUBRAMANIAN KRISHNAN, ARUNACHALAM MUTHUKUMARAN & NACHINARKINIAR MALALINGAM.

Application for Patent No. 416/Del/1983 filed on 18th June, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An electrochemical process for the preparation of 2, 5 dihydro 2, 5 dimethoxy furan from furan comprising electrolysis of furan in the presence of methanol and sodium bromide as electrolyte in an electrolytic cell using a nickel cathode and a graphite anode distilling the reaction product and treating the residue with an organic solvent to obtain the methoxylated furan.

Complete specification 6 pages.

CLASS : 42 A_1 159415

Int. Cl. : A 24C—5/14.

MACHINE FOR THE SIMULTANEOUS MANUFACTURE OF CONTINUOUS CIGARETTE RODS.

Applicant : G. D. SOCIETA' PER AZIONI, AN ITALIAN COMPANY, OF VIA POMPONIA, 10, 40100 BOLOGNA, ITALY.

Inventor : SCRAGNOLI ENZO.

Application for Patent No. 559/Del/1983 filed on 16th August, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A machine for the simultaneous manufacture of continuous cigarette rods, the said machine comprising at least two up channels for feeding shredded tobacco, the said channels being arranged between a common conveyor belt at the botton and corresponding substantially parallel suction belts at the top, each of the said channels having an extended section, with the longitudinal axis arranged substantially parallel to the said suction belts and crosswise in relation to the travelling direction of the said conveyor, each of the said channel being arranged so that a top outlet of said channel is located underneath the corresponding suction belt characterised by the fact that the inlet section of the said channels are aligned to each other according to the said longitudinal axis with partitioning means between adjacent channels at the said inlet section point.

Compl. specn. 9 pages. Drg. 2 sheets

CLASS : 32 E 159416

Int. Cl. : C 08 f—47/00.

PROCESS FOR MAKING LOW DENSITY CHLORINATED POLYVINYL CHLORIDE FOAM HAVING AN ESSENTIALLY CLOSED CELL STRUCTURE.

Applicant : THE B.F. GOODRICH COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK OF 277 PARK AVENUE, NEW YORK, NEW YORK 10017, U.S.A. AND WITH BUSINESS OFFICES AT 500 SOUTH MAIN STREET, AKRON, OHIO 44318, U.S.A.

Inventors : DALE RITCHEY HALL AND CHARLES NEAL BUSH.

Application for Patent No. 618/Del/1983 filed on 07 Sep 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A process for making a low density chlorinated polyvinyl chloride polymer foam having an essentially closed-cell cellular structure comprised predominantly of cells having an essentially closed-cell cellular structure comprised predominantly of cells having a cell size of less than 500 microns, said process comprising :

(a) mixing a nucleating system comprised of an alkali metal borohydride of the kind such as herein described and a proton donor activator of the kind such as herein described with a chlorinated polyvinyl chloride polymer;

(b) forming cell nuclei of hydrogen gas within said chlorinated polyvinyl chloride polymer by heating and nucleating system to cause said proton donor activator to produce protons which react with said alkali metal borohydride to form hydrogen gas, and

(c) expanding said chlorinated polyvinyl chloride polymer into said foam product utilizing a primary blowing agent, said nucleating system being activated to form said cell nuclei at a temperature above 25°C but below the highest processing temperature which the CPVC polymer experiences before the CPVC polymer expands.

Complete specification 23 pages.

CLASS : 148 D F 159417

Int. Cl. : G 03 c 1/78, 7/40.

A PROCESS FOR MANUFACTURING AS ESSENTIALLY NON-YELLOWING COATED ARTICLE SUCH AS COATED PLASTIC FILM.

Applicant : THIOKOL CORPORATION, A CORPORATION OF THE STATE OF DELAWARE, U.S.A., OF 110 N. WACKER DRIVE, CHICAGO, ILLINOIS 60606, U. S. A.

Inventors : STUART MONROE ELLERSTEIN AND SAN ARDI LEE.

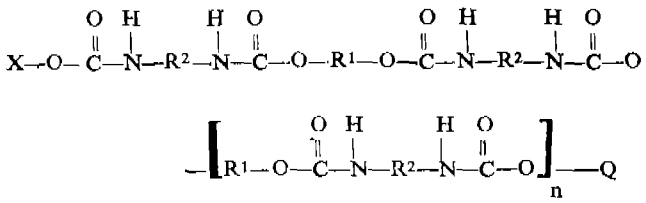
Application for Patent No. 637/Del/1983 filed on 14th September, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

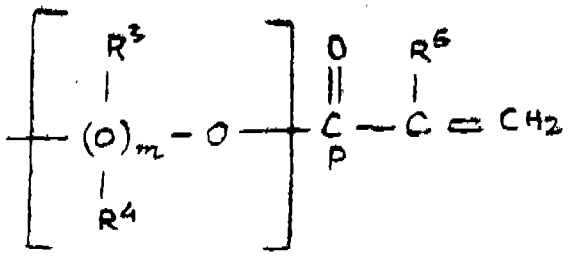
A process for manufacturing an essentially non-yellowing coated article such as coated plastic film comprising the steps of coating in a manner known per se a substrate on at best one surface with an optical coating composition comprising :

(i) from 45 to 90 weight per cent, based upon total composition weight, of an oligomer of the formula I



wherein R^1 and R^2 are independently linear, branched, or cyclic saturated alkylene radicals of from six to twenty carbon atoms, n is zero to three, Q and X are independently either :

(a) a radical of the formula IIIA



where R^3, and R^4 are independently selected from the group consisting of hydrogen, methyl, ethyl, or propyl, m is an integer of from 1 to 10, and p is zero or one, or

(b) a saturated alkyl radical of from nine to twenty carbon atoms, with the provise that said oligomer must possess at least one acrylate or methacrylate group;

(ii) from 9 to 50 weight per cent, based upon total composition weight, of a reactive diluent selected from the group comprising lauryl acrylate, lauryl methacrylte, stearyl acrylate, tearyl methacrylates ethylhexylacrylate, isodecyl acrylate, and mixtures thereof; and

(iii) from 0.5 to 5 weight percent, based upon the total composition weight, of a photoinitiator selected from the group consisting of 2-hydroxycyclohexyl-phenone, 2-hydroxy-2-methyl-1-phenyl-propan-1one, and diethoxyacetophenone; and curing in a manner known per se the coating thus applied on the article.

Compl. specn. 33 pages. Drg. 3 sheets

CLASS : 32 $F_3(_a)$ 159418

Int. Cl. : C 07 c—91/00.

PROCESS FOR THE PREPARATION OF N-ACETYL-P-AMINOPHENOL.

Applicant : JACQUES RAPHAEL BENZARIA, A FRENCH CITIZEN. OF 1, RUE DUE BAS SAUT 60230, CHAMBLY, FRANCE.

Inventor : JACQUES RAPHAEL BENZARIA.

Application for Patent No. 659/Del/1983 filed on 23 Sep 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A process for the preparation of N-acetyl-p-amino-phenol, comprising the simultaneous hydrogenation and acetylation of nitrosophenol in a solvent medium consisting of at least an ester of an alcohol having from 1 to 6 carbon atoms, and of an aliphatic organic acid having from 1 to 6 carbon atoms, and/or at least an aliphatic organic acid having from 1 to 5 carbon atoms.

Complete specifications 13 pages.

CLASS : 123 159419

Int. Cl. : C 05 g 1/06.

A PROCESS FOR THE PREPARATION OF A SOIL FERTILISER COMPOSITION.

Applicants : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : BALAMANI BAZBARUAH.

Application for Patent No. 436/Del/1983 filed on 30th June, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A process for the preparation of a soil fertiliser composition comprising cultivating a desired microorganism such as herein described singly or in combination in a nutrient medium comprising super phosphates or alkali metal phosphates, magnesium sulphate, urea, carbohydrate and water for a period of upto 10 days at a temperature in the range of 25° to 40°C and diluting the broth formed with water.

Complete specification 10 pages.

CLASS : 32 E 159420

Int. Cl. : C 08 f 3/16, 11/00, 29/08.

A PROCESS FOR THE PREPARATION OF ISOCYANATE TERMINATED DIENE PREPOLYMERS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : NANASAHEB DATTAJIRAO GHATGE, SUBHASH PUNDLIK VERNEKAR AND PRAKASH PURUSHOTTAM WADGAONKAR.

Application for Patent No. 539/Del/1983 filed on 6th August, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A process for the preparation of isocyanate-terminated diene prepolymers comprising subjecting conjugated dienes with 4–6 carbon atoms to free radical polymerization in an oxygen-free autoclave at a constant temperature of 60° to 80°C in the presence of 1–10 mole percentage of an azo-compound as herein described as free radical initiator and an inert organic solvent.

Complete specification 8 pages.

CLASS : 155-C & E 159421

Int. Cl. : D 04 h 1/00.

PROCESS FOR PRODUCING NON-WOVEN FABRICS.

Applicant : CHICOPEE, OF 317 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY 08903, UNITED STATES OF AMERICA.

Inventors : 1. JOHN WILSON KENNETTE, 2. CONRAD CONSTININE BUYOFSKY.

Application No. 884/Cal/82 filed July 29, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Process for producing non woven fabrics which comprises :

(a) supporting a layer of staple length fibrous starting material whose individual fibers are in mechanical engagement with one another but which are capable of movement under applied liquid forces, on a liquid pervious support member adapted to move in a predetermined direction;

(b) moving the supported layer by moving the support member such as the endless woven belt in said predetermined direction through a zone within which streams of high pressure, fine, essentially columnar jets of water are projected directly onto said layer to produce a web of entangled fibers, charactrized in that :

(c) first conventionally drying the web of entangled fibers;

(d) applying, by printing, 1/4 to 25 weight percent, preferably 1/2 to 20 weight percent of an aqueous resin binder composition such as herein described to the dried web in an intermittent pattern; and

(e) drying said aqueous resin binder composition after it has been applied to said web.

Compl. specn. 22 pages. Drg. 5 sheets

CLASS : 129-J 159422

Int. Cl. : B 21 b 13/00, 45/00.

HOT MILL ROLL BRUSHING SYSTEM.

Applicant : KENNECOTT CORPORATION, AT MIDLAND BUILDING, 101 PROSPECT AVENUE, CLEVELAND, OHIO-44115, UNITED STATES OF AMERICA.

Inventor : 1. GEORGE SHINOPULOS.

Application No. 1232/Cal/83 filed October 5, 1983.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A system for controlling the adhesion of metal to the working rolls of a hot rolling mill for soft metal products where the working rolls that engage the hot metal product are mounted for rotation in a frame, comprising :

a rotary brush with a generally cylindrical configuration that engages the outer surface of each of the working rolls,

means for rotatably mounting said brush,

means for urging said brush into said engagement with said rolls, and

means for rotating said brush at a high speed.

Compl. specn. 13 pages. Drg. 7 sheets

CLASS : 107-H 159423

Int. Cl. : F 02 m 39/00, 61/16.

AUTOMATIC INJECTION DEVICE.

Applicant : DUPHAR INTERNATIONAL RESEARCH B. V., C. J. VAN HOUTENLAAN 36, WEESP, THE NETHERLANDS.

Inventors : 1. HENDRIK MATTHEUS BEKKERING, 2. HENRICUS HIACINTHUS MARIA VULINK.

Application No. 1307/Cal/83 filed October 24, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An automatic injection device comprising an assembly of a discharge mechanism, a cartridge holder and a cartridge which is slidably accomodated in the cartridge holder, the discharge mechanism comprising a sleeve which is open on one side, a plunger which is movable in the sleeve, a coil spring which acts on said plunger and tries to move same out of the open end of the sleeve outwards, a locking device which cooperates with said plunger so as to prevent undesired movement of the plunger, and, if desired, a safety device to block said locking device, the cartridge comprising a glass ampoule having an injection needle connected thereto, of which ampoule the part remote from the needle has the shape of a hollow cylinder having an entirely or substantially uniform inside diameter, in which is present a piston which can be moved by the plunger, and which ampoule comprises an injection liquid or various injection liquids separated from each other by stoppers, characterized in that a sheath of shrinkable plastic sheet is shrunk around the ampoule entirely or for the greater part.

Compl. specn. 12 pages. Drg. 1 sheet

CLASS : 63-I 159424

Int. Cl. : G 25 f 1/68.

THREE-PHASE POWER FACTOR CONTROLLER WITH INDUCED EMF SENSING.

Applicant : NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D. C. 20546, U. S. A.

Inventor : 1. FRANK JOSEPH NOLA.

Application No. 1316/Cal/83 filed October 26, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

In a three-phase power factor controller with induced emf sensing for an A.C. induction motor of the type comprising electronic switching means connected in series with the motor, phase detector means for sensing the motor current and voltage and providing an output proportional to the phase difference between the motor voltage and current; command signal generating means for generating a power factor command signal; and control means, responsive to said output of said phase detector means and said power factor command signal, for controlling the switching state of said switching means, the improvement comprises means for sensing the induced EMF produced by the motor during the time interval when said electronic switching means is in the off state thereof and for producing, in accordance with the induced EMF sensed thereby, a feedback signal for use in controlling switching of said electronic switching means.

Compl. specn. 19 pages. Drg. 1 sheet

CLASS : 69-I 159425

Int. Cl. : H 01 h 73/00.

MOLDED CASE CIRCUIT BREAKER APPARATUS HAVING TRIP BAR WITH FLEXIBLE ARMATURE INTERCONNECTION.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. STEPHEN ALBERT MRENNA, 2. GLENN ROBET THOMAS, 3. CHARLES ELLSWORTH HAUGH.

Application No. 1319/Cal/83 filed October 26, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A circuit breaker including cooperable contacts, a normally latched operating mechanism adapted, when released, to open the contacts, and means for automatically releasing the operating mechanism, said means comprising a trip bar assembly movable between an initial position and a tripping position in which latter to effect release of the operating mechanism, at least one bimetallic element responsive to overcurrents to deflect in a manner such as to engage the trip bar assembly and to move it to said tripping position, and at least one electromagnetic trip means comprising a magnetic armature and a magnetizable member disposed to be magnetized by overcurrents above a predetermined value so as to magnetically attract the armature and thereby effect movement of the trip bar assembly to the tripping position, characterized in that said armature (66) is connected to the trip bar assembly (60) by means (67, 68) causing the trip bar assembly positively to move as one together with the armature during attraction of the armature toward the magnetized member (100), and permitting limited movement of the trip bar assembly (60) beyond said tripping position.

Compl. specn. 16 pages. Drg. 5 sheets

CLASS : 94-I 159426

Int. Cl. : C 13 d 1/06.

METHOD OF MANUFACTURING A CYLINDER FOR A SUGAR MILL.

Applicant : FIVES-CAIL BABCOCK, OF 7 RUE MONTALIVET, 75383 PARIS CEDEX 08, FRANCE.

Inventor : 1. JEAN PIERRE GEORGET.

Application No. 1359/Cal/83 filed November 3, 1983.

Appropirate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A method of manufacturing a cylinder having an exterior surface defining circular grooves of a cross section having the shape of a triangle, each triangle having an apex at a bottom of the groove in a respective transverse plane

extending substantially perpendicularly to the axis of the cylinder, and the bottom of each groove being in communication with longitudinal channels extending substantially parallel to the axis in the cylinder, which comprises the steps of :

(a) boring radial channels in the cylinder in a plurality of the transverse planes until the radial channels are in communication with the longitudinal channels,

(b) fitting a plug having a blind hole at an inner end thereof in each one of the radial channels,

(c) making the circular grooves in the exterior surface of the cylinder, and

(d) making a circular slot in the bottom of each groove of a sufficient length to connect the bottom of the groove to the blind hole.

Compl. specn. 9 pages. Drg. 2 sheets

CLASS : 106 & 107-G 159427

Int. Cl. : F 02 m 61/14.

CLAMP FOR AN INTERNAL COMBUSTION ENGINE FUEL INJECTOR.

Applicant : PERKING ENGINES GROUP LIMITED, OF 33 DAVIES STREET, LONDON WIY 2 EA, ENGLAND.

Inventors : 1. MICHAEL KNIGHT, 2. RONALD GEORGE MOORE.

Application No. 1389/Cal/83 filed November 14, 1983.

Convention date 27th November, 1982 (8233873) U.K.

Appropirate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A fuel injector clamp in the form of a generally oval-shaped ring manufactured from pipe so that the side walls on the minor axis enclose flats on opposite sides of the injector body and the end walls on the major axis each encircle a respective fixing bolt over more than 180 degrees of the circumference of the bolt.

Compl. specn. 6 pages. Drg. 1 sheet.

CLASS : 32-F_{35} & 55-E_4 159428

Int. Cl. : A 61 k 27/00, C 07 d 49/36.

PROCESS FOR THE PREPARATION OF NITROIMIDAZOLES.

Applicant : RECKITT & COLMAN OF INDIA LIMITED OF 41, CHOWRINGHEE ROAD, CALCUTTA 700071, STATE OF WEST BENGAL, INDIA.

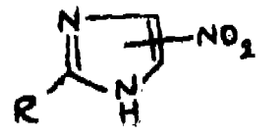
Inventors : 1. DR. SURENDRA PRASAD BHATNAGAR, 2. DR. BAJRANG BALI SINGH, 3. DR. JYOTIRMAY BISWAS, 4. DR. DELAMPADY CHANDRASHEKARA HOLLA, 5. DINAKAR NARAYANRAO KULKARNI.

Application No. 1417/Cal/83 filed November 18, 1983.

Appropirate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

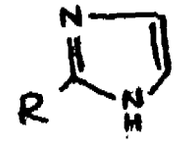
5 Claims

Process for the preparation of a nitroimidazole of formula I of the accompanying drawings,



wherein R is methyl, ethyl, n-propyl or isopropyl group by nitration of imidazole which comprises

(i) treating an imidazole of formula II



where R is as defined with concentrated sulphuric acid to form corresponding imidazole sulphate,

(ii) forming urea nitrate by addition of concentrated nitric acid in an aqueous solution of urea;

(iii) adding imidazole sulphate of step (i) to urea nitrate of step (ii) and allowing the reaction mixture to stand for a period of 6 to 18 hours.

(iv) raising the temperature of the reaction mixture of step (iii) to 80 to 120°C and adding nitric acid, distilling off the unreacted nitric acid while maintaining the temperature to a maximum of 150°C and recovering the nitroimidazole in a known manner.

Compl. specn. 9 pages. Drg. 1 sheet

CLASS : 127-F 159429

Int. Cl. : F 16 h 1/00.

EPICYCLIC GEAR.

Applicant & Inventor : U. CHR. SEEFLUTH, OF ALSTERUFER 37, 2000 HAMBURG 36, FEDERAL REPUBLIC OF GERMANY.

Application No. 1481/Cal/83 filed December 2, 1983.

Appropirate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims

An epicyclic gear having a driving member, a driven member and a control member, the speed of circulation of which is variable in relation to that of the driving member and/or of the driven member, having gear-wheels which are constantly in engagement and having a predetermined static transmission ratio which is determined by a transmission ratio between the gear-wheels of the outer members and/or by at least one stage within the intermediate member which connects the outer members in a geared manner so that these rotate in the same direction, characterised in that a chain of planetary wheels, which is interposed between driving member (1; 15; 21; 35; 51; 61; 71; 88; 91; 102; 121) and driven member (4; 14; 24; 34; 55; 66; 77; 89; 96; 106; 122) and the axes of which lie on at least two radii (10; 11; 81; 82; 83; 84; 99a, b, c) of the central axis (8; 18; 25; 36; 50; 60; 70; 80; 90; 101) differing from one another is disposed and mounted and the size of the individual wheels is proportioned in such a manner that, when the gear is loaded, at least one of the planetary

wheels (2, 3; 12, 13; 22, 23; 32, 33; 53, 53a, 54; 63, 64; 72, 73, 74, 75; 86, 87; 92, 93, 94; 104, 105)—preferably situated at the end of the wheel chain—is supported against the neighbouring wheels under compressive or tensil loading which is radial or at least has a radial component so that, without introduction of a control force or braking force into the control member, a reaction movement thereof in relation to the driving member and to the driven member is at least substantially prevented.

Compl. specn. 38 pages. Drg. 10 sheets

CLASS : 98-I 159430

Int. Cl. : F24j 3/02.

A NOVEL APPARATUS FOR EFFECTIVE UTILISATION OF SOLAR POWER.

Applicant & Inventor : SANTANU ROY, OF 13, NANDA KUMAR CHOWDHURY LANE, CALCUTTA-700 006, INDIA.

Application No. 1500/Cal/83 filed December 7, 1983.

Appropirate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An apparatus for effective utilisation of Solar Power which comprises in combination —

(i) a chamber containing three different units, the upper unit being an empty chamber with means for absorbing sun's rays, the inside surface of which is a selective black surface for high absorption of infra-red rays, the walls thereof being adequately insulated, the said unit being fitted with a glass sheet at the top and a sheet of transparent material capable of transmitting infra-red rays fitted at the bottom, there being space between the said sheets;

the middle unit comprising a chamber the upper surface of which is the bottom of the said transparent material in the said upper unit and at the lower surface there is provided a laminated or sheet-like body interspersed with perforations through which pass metal rods, of predetermined dimensions, one end of each of which rods is securely attached to the said lower surface, and

the lower unit containing the liquid medium has metal rods or sticks suspended in the said medium at close intervals and carries a suitable inlet and outlet for the said medium with altered temperature;

(ii) the entire chamber with the three units being suitably encased in an outer cover which carries successive layers of insulating material and an outer reinforcement layer;

(iii) an insulating mounting lined outwardly with durable, shock-resistant, material on which the said chamber with the outer cover are mounted;

(iv) source for supply of liquid medium, and

(v) means for storing the liquid medium after heat-exchange has taken place.

Compl. specn. 13 pages. Drg. 3 sheets

CLASS : 185 C, 54 159431

Int. Cl. : A23f 1/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF TEA INFUSIONS WITH RETENTION OF NATURAL FLAVOURS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : PACHERLA RAMAKRISHNA, SRIKANTAIAH NAGALAKSHMI, RAMACHANDRAN SECHADRI, MAGADI SUBBAIAH RAMASWAMI, PULIYUR KRISHNASWAMI RAMANATHAN, COIMBATORE PANCHANATHAM NATARAJAN.

Application for Patent No. 638/Del/83 filed on 15th September, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An improved process for preparation of tea infusions with retention of natural flavours which comprises leaching the tea leaves in the first stage with hot water at a temperature of 55°C–60°C to obtain a first extract, further leaching the extract repeatedly counter currently at a temperature of 85°C–95°C and mixing the final extract with whole or a portion of the first extract.

Provisional specification 11 pages.

Complete specification 12 pages.

CLASS : 130 F 159432

Int. Cl. : C22b 15/00.

AN IMPROVED PROCESS FOR SULPHATION ROASTING OF COPPER SULPHIDE CONCENTRATES TO RECOVER COPPER VALUES IN SOLUBLE FORM.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : VISWANATH ANANT ALTEKAR, PRASANTA KUMAR SOM & SUDHIR KUMAR ROY CHOUDHURY.

Application for Patent No. 853/Del/83 filed on 22nd December, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

An improved process for sulphation roasting of copper sulphide concentrates to recover copper value in soluble form comprising blending the finely ground copper sulphide concentrates with inorganic metal salt additives as herein described calcining the blended mixture and aqueous leaching of the calcine, characterised in that the copper sulphide concentrates is ground to a particle size upto minus 74 microns, further blended with oxide, chloride and/or nitrate ions as herein described as additive, subjecting the blended mixture to sulphation roasting at a temperature range of 360°C to 500°C for period of 90–120 minutes, cooling the calcined mass obtained, pulverising and aqueous leaching the same at a temperature range of 60°to 75°C to obtain copper values in water soluble form.

Complete specification 11 pages.

CLASS : 32 F 2 b 159433

Int. Class : C07d 51/46, 27/56.

PROCESS FOR THE SYNTHESIS OF 4-OXO-3-SUBSTITUTED PYRIMIDO-(2', 1' : 6, 1)–PYRODO-(3, 4-b)-INDOLES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860), OF RAFI MARG, NEW DELHI-110 001, INDIA.

Inventors : SHIV KUMAR AGARWAL, ANIL KUMAR SAXENA, BRIJESH MALAVIYA, HARISH CHANDRA AND NITYA ANAND.

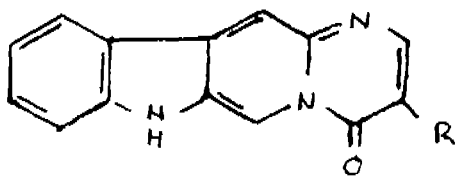
Application for Patent No. 245/Del/1984 filed on 19th March 1984.

Divisional to Patent Application No. 338/Del/1980 filed on 8th May, 1980.

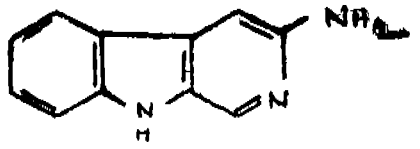
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

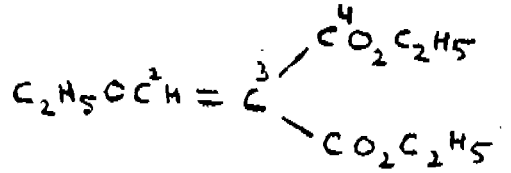
A process for the synthesis of 0-OXO-3 substituted pyrimido-(2', 1'; 6, 1)-pyrido-(3-4-b) indoles of general formula I



wherein R is $-CO_2C_2H_5$ comprising reacting 3-amino-9-H-pyrido (3, 4-b) indole of formula II



with diethyl ethoxymethylene malonate of formula III



in the presence of an organic solvent such as herein described and the resultant solution is treated with a base such as herein described and separating the required product by filteration.

Compl. specn. 5 pages. Drg. 1 sheet

PATENTS SEALED

157518 157557 157558 157589 157593 157595 157598
157599 157600 157601 157605 157607 157608 157611
157612 157613 157614 157616 157618 157619 157620
157621 157623 157625 157628 157629 157632 157637
157639 157641 157642 157644 157645 157646 157647
157648 157650 157652 157658 157660.

COMMERCIAL WORKING OF PATENTED INVENTIONS
CHEMICAL ENGINEERING LIST — II

The following patents in the field of Chemical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under section 146(2) of Patents Act, 1970. In respect of calender year 1985 generally on account of want of request for licences to work the patented inventions. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

Patent No.	Date of Patent	Name & Address of the Patentee	Title of the Investion
1	2	3	4
140094	31-8-1973	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-1 (India)	A process for the production of matrix board for making rubber stereo.
147071	3-9-1977	Do.	An improved process for the preparation of pure sodium or potassium silicate solution from clay.
148539	28-2-1979	Do.	Process for the preparation of active silica from paddy husk.
152241	5-6-1979	Do.	A process for purification and enrichment of low grade molybdenite concentrates.
152538	23-6-1979	Do.	Process for the preparation of N-Substituted aroyl/aralkanoyl-N2- (2-carboxy phenyl substituted phenyl) hydrazine derivatives.
153395	7-3-1981	Do.	Process for the preparation of N-chloromethyl phathalimide.
153686	30-4-1981	Do.	An improved process for production of Sodium Chromate.
148386	18-7-1978	PFIZER INC., 235 East 42nd Street, New York State of New York, U.S.A.	A process for preparaing antiviral amine derivatives of glycerol and propane diols.

1	2	3	4
146819	3-11-1976	AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, P. O. Polytechnic, Ahmedabad-15, Gujarat, INDIA	Process of Insolubilization of Dyes and Application of such insolubilized dyes to fabrics.
146879	25-11-1978	Do.	Process of obtaining dyeing or printing effects on fabrics.
148043	12-12-1978	Do.	A method and Equipment for recovery of high boiling petroleum tractions and tar terpentine present in a gaseous mixture issuing as exhaust from textile and like dryers.
149393	12-3-1979	Do.	An improved process for imparting flame Retardancy to Cellulosic fibres.
149287	31-10-1979	Do.	Improvements in or relating to the synthesis of ascarbic acid (Vitamin C) from 2, 3 : 4, 6-Di-O-isopropylidene -2-keto-L-gluconic acid monohydrate.
149731	29-9-1979	Do.	Improved process for the synthesis of 2, 3 : 4, 6-di-O-isopropylidene L-surbose.
146923	29-11-1977	C. CONRADTY NUNBERG GmbH & Co. D-8505, Rothenbach a. d. Pegnitz, Grunthal Federal Republic of Germany.	Carbon body and method of manufacturing it.
147949	11-9-1978	ION EXCHANGE (INDIA) LIMITED, Tiecicon House Dr. E. Mosses Road, Bombay -400011, Maharashtra.	Process for the preparation of copolymer in substantially spherical bead on droplet from adapted to be employed as an improved macro-prorous conion exchanger.
148194	24-1-1979	Do.	A process for the purification of crude glyoxol by ion exchange technique.
149058	18-7-1979	Do.	Process for preparing high purity common salt from sea water.
149762	6-9-1979	HINDUSTAN CIBA-GEIGY LIMITED, Aarey Road, Goregaon East, Bombay-63, Maharashtra, India.	A process for the preparation of new benzimidazole carbamates.
150020	3-7-1980	Do.	A process for the preparation of pharmacologically active new gvanidine derivatives.
150073	12-11-1980	Do.	A process for the manufacture of 4-Isothiocyanato- 41-nltro diphenylamine.
150250	3-7-1980	Do.	A process for the preparation of new Guanidine derivatives.
154711	30-4-1982	Do.	A process for the manufacture of novel Guanidine derivatives.
155047	3-7-1980	Do.	A process for the preparation of pharmacologically active new guanidine derivatives.
155606	22-1-1983	Do.	A novel process for the preparation of 5-aralkyl-2, 4-diaminopyrinimidives.
155707	22-1-1983	Do.	A novel process for the manufacture of 5-aralkyl-2, 4-diaminopyrimidines.
153031	16-5-1981	RESEARCH DIRECTOR, CANCER RESEARCH INSTITUTE, Tata Memorial Centre, Parel, Bombay-400012, Maharashtra (India).	Process for preparation of anti-leprosy vaccine.
153250	29-5-1982	UPENDRA NATH BHRANY, Lands End Building, Dongarsi Road, Bombay-400006, Maharashtra, India.	A process for the purification of iron powder containing occuluded hydrogen gas.

CHEMICAL LIST NO. III

COMMERCIAL WORKING OF PATENTED INVENTION

The following Patents in the field of Chemical Industry are not being Commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of Patents Act, 1970, in respect of calendar year 1985, generally on account of want of requests for licences to work the Patented inventions. Persons who are interested to work the said Patents commercially may contact the Patentees for the grant of a licence for the purpose.

Patent No.	Date of Patents	Name and Address of Patentees	Title of the inventions
1	2	3	4
125603	20-4-1972	PFIZER ING. 235, East, 42nd Street, New York, State of New York, U.S.A.	Direct mono-estarification of arylmalonic acids.
134206	6-1-1973	INDIAN EXPLOSIVES LTD., of 34 Chowringhee Road, I.C.I. House, Calcutta-16, West Bengal, (India).	Inorganic oxidiser salt containing aqeous slurry type blasting composition containing a mixture of fuel gas & oxygen as nove, semsitisers.
134208	6-1-1972	FARBWERKE HOECHST A. G. VORMALS MEISTER LUCIUS & BRUNING, of 45, Bruningstrasse, Frankfurt/Main Federal Republic of Germany.	Shaped articles made of thermoplastic molding compositions on the basis of polyoxymethylenes and process for the manufacture thereof.
134295	17-1-1972	HOWSON-ALGRAPHY LIMITED, of Murry Road, Orphinton. Kinet, England.	Method for removing (from a surface, a layer of lightsensitized poly-vinyl alcohol) containing material which has become insolublized.
134299	17-1-1972	KNAPSACK AKTIENGASELLSCHAFT of Knapsack Near Koln, FEDERAL REPUBLIC OF GERMANY.	Production of acrylonitrile & methacrylonitrile.
134694	21-2-1972	INTERNATIONAL NICKEL LIMITED OF THAMES House, Milbank, London, S.W. I., ENGLAND.	Process for the preparation of chromium nickel alloy products.
135328	19-4-1972	UNILEVER LIMITED OF UNILEVER HOUSE, Blackfrairs, London, E. C. 4, England.	A process for the preparation of instant tea powder.
135365	23-5-1972	KNAPSACK AKTIENGESELLSCHAFT, of Knapsack near Koln, Federal, Republic of Germany.	Process for manufacture of acrylonitrile or or methyacryl onitrile.
135517	18-5-1972	HOECHST AETIENGESELLSCHAFT of 6230 Frankfurt/Main 80, F.R.G.	Process for the manufacture of an armoxidation catalysts.
135692	5-5-1972	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ, B. V. of Carel Van By landtlean 30, The Hague, The Netherlands.	A process for the manufacture of gas mixtures containing carbon monoxide and hydrogen by the partial vombustion of fuel in a reactor operated at relatively low pressure.
135770	14-6-1972	VICKERS LTD., of Vickers House, Millbank Tower Millbank, London, SWIP, 4 RA, London.	Improvements in or relating to light material,
135799	17-5-4972	THE GOODYEAR TIRE & RUBBER CO., of 1144 East Market. Street, Akron, Ohio, U.S.A.	Improvements relating to a process for preparing agre resistant polymers.
135878	20-6-1972	International Nickel Limited of Thames House Millbank, London, SW1, P 40 F.	Improvements in or relating to a method of obtaining a chromium containing alloy.
135899	23-5-1972	HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165-166, Backbay Reclamation, Bombay-20, Maharashtra India.	A method of protecting hypochlorites for inclusion in a detergent composition.
135902	10-7-1972	The GOODYEAR TIRE & RUBBER COMPANY OF 1144 East, Market Street, Akron Ohio, U.S.A.	A process of preparing 2-(4 morpholino) benzo thiazole.
136010	6-9-1972	FMC CORPORATION OF 633, Third Avenue New York-17, U.S.A.	Curing of green briquesttes with air.
136168	-5-1973	SHELL INTERNATIONALE RESEARCH MAATSHAPPIJ, B. V. of Carel, Van Bylandtlaan 30, the Hague, The Netherlands.	Process for producing silver catalyst.

1	2	3	4
136340	5-1-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ. V. G. of carel Van Bylandtlaan 30, The Hague, The Netherlands.	Process for the preparation of ethylene oxide.
136395	29-9-1972	UNION CARBIDE CORPORATION OF 270 Park Avenue, New York, State of New York, U.S.A. 10017.	Reduced mercury—containing zinc alkaline cells.
136614	26-8-1972	SHELL INTERNATIONALE RESEARCH MAATSHAPPIJ, B. V. of Carel, Van Bylandtlaan 30, The Hague, Netherlands.	A process for the concentration and purification of aqeous solution of ethylene oxide.
136843	26-4-1972	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ. V. V. of Carel, Vn., Bylandtlaan 30, The Hague, Netherlands.	A process for recovery of ethylene oxide.
136878	13-7-1972	GLAVERBEL-MECANIVER OF 166 Chausse de le Haple Watermael, Boitfort, Belgium.	Process and apparatus for maufacturing sheets glasses.
136956	18-8-1972	ETAT FRANCAISE OF 12 Quai Henri IV, 75 Paris 4 mme, France.	Ignition powder.
137069	18-5-1973	PFIZER CORPORATION, of Calle 15-1/2, Avenida Santa Isabel, Colon,	Citric acid production.
137275	17-7-1972	HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165-166, Backbay Reclamation, Bombay-20, Maharashtra INDIA.	Skin moisturiser based on glutemic acid and or glutaine and or their salts.
137276	1-8-1972	NATIONAL RESEARCH DEVELOPMENT CORPORATION, of 66-74, Victria St., London S. W. 1, England.	Process for the production glass-fibre-reinforced cementation products.
137364	4-10-1972	THE LUBRIZOL CORPORATION OF P.O. Box 3057, Euclid Station, Cleveland, Ohio-44117, U S.A.	Process for the preparation of an oil-soluble composition.
137507	20-3-1974	HOECHST AKTIENGESELLSCHAFT OF 6230, Frankfurt Main 80, Federal Republic of Germany.	Process for the dehydroxylation of hardened castor oil.
137685	1-8-1972	NATIONAL RESEARCH DEVELOPMENT CORPORATION, of Kings gate House, 66-74, Victoria Street, London, S. W. 1, England.	Process for the production of glass fibre reinforced cementitous products.
137774	21-10-1972	HOWSON-ALGRAPHY LTD., of Vicker House, Mill Bank Tower, Mill Bank, Lon-Lon, SWIP, 4RA England.	Method for the preparation of sensitive polymeric esters.
137913	11-7-1973	SOCIETE NATIONALE DES'POUDRES ET EXPLOSIES OF, 12 Quai Henri iv, cedex 04, 75181, Paris, France.	A process for the recovery of nitrocellulose from the filtrate obtained after the nitration of cellulose and an apparatus therefor.
137974	28-4-1973	STAMICARBON V. V., of Netherlands, of Geleen, The Netherlands.	Process or stabilizing polymers.
138025	22-1-1974	JMPERIAL CHEMICAL COMPANY LTD. of Imperial Chemical House, Mill Bank London, SW, 1 England.	Explosive fuse cord.
138036	13-8-1973	BETHLEHEM STEEL CORPORATION OF 701. East Third Street, Bethlehem, Pennsylvania, U.S.A.	Method of treating ferrous strand by hot dip coating procedure.
138115	3-11-1973	Ishikawajima-Harma Jukogyo Kasbushiki Kaisha, of No. 2-1. 2-Chome, Ote-Machi, Chiyeda-ku, Tokyo-to, Japan.	Process and apparatus fot making cement dinker by burning raw materials.
138238	16-12-1972	SOCIETE NATIONALE DES PUUBRES ET EXPLOSES OF 12 Quai Henri IV, cedex 04 75181. Paris, France.	A propellent powder composition and balck propellent fuel moulded from such com-composition.
138486	27-6-1973	HOECHST AKTIENGESELLSCHAFT, of 6230 Frankfurt/Main 80, Federal Republic of Germany.	Shaped articles made of thermoplastic moulding composition based on poly (Oxymethylene) and process for preparing the same.

1	2	3	4
138686	25-5-1973	SOLVAY & COE OF, 3 Rue de Prince Albert B-1050, Brussels, Belgium.	Process for the plolymerization of olefins.
138894	27-6-1973	SANDVIK AKTIEBOLAG OF FACK S-81101, Sandviken 1, Sweden.	Coated hard metal body.
138928	11-4-1974	HINDUSTAN LEVER LTD., of Hindustan Lever House, 165-166, Backbay Reclamation Bombay-20, Maharashtra (India).	Cosmetic skin moisturising composition.
139109	8-5-1973	DR. C. OTTO & COMP G.m.B.H. of Christrasses 9, Postfatch 1849/1850, 463 Bochum, West Germany.	A gas collecting device for a coke oven battery.
139208	19-3-1974	SNAMPROGETTI S.P.A. of 16, Corso Venezia, Milan. Italy.	Purification of a solution of urea.
138449	9-1-1973	UNILEVER LTD., of Unilever House, Black friars, London E. C. 4. England.	A process for the preparation of black tea from green or unfromented tea.
139310	2-7-1973	UNIE VAN KUNSTMESTFABRIEKEN B. V., of Netherlands, of P. O. Box No. 45, Utrecht, The Netherlands.	Process for preparing urea.
139309	2-7-1973	Do.	Process for preparing urea.
139293	13-2-1974	INDIAN EXPLOSIVES LTD., I.C.I. House 34, Chowringhee Road, Calcutta-16 West Bengal, India.	Sensitised dry blasting comosition and their method of preparation.
139273	3-3-1972	SOLVAY & CIE COMPANY OF Rue de Prince Albert 33, B-1050, Brussels, Belgium	Process for the stereospecific polymerization of alphha-olefins.
139383	22-6-1973	UNILEVER LTD., of Unilever House, Black friars, London F.C. 4. England.	A process for the preparation of composits tea products.
139432	19-11-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. OF Carel Van Bylandtlaan 30, The Hague, The Netherlands.	A process for the preparation of ethylene oxide.
139571	21-9-1973	BETHELEMEM STEEL CORPORATION OF 701 EastThird Street, Bethlehemem, Pennsylvania, U.S.A.	Corrosion resistent aluminium zinc coating and method of making.
139619	19-1-1974	THE GOODYEAR TIRE AND RUBBER Co. of 1144 East Market Street, Akron Ohio, U.S.A.	A process for coagulating synthetic latices.
139623	26-6-1974	RCA CORPORATION, of 30 Rockeller, Plaza, New York, 10020, U.S.A.	Method of etching silicon oxide to produce a tapered edge thereon.
139729	6-9-1973	IMPERIAL CHEMICAL INDUSTRIES LTD of Imperial Chemical House, Mill Bank, London, S. W. 1, England.	Explosive fues cord and method of manufacturing the same.
139804	24-1-1974	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISASATION, of Limestone avenue, Can Campbell, Autralian Capital territory, Common Wealth of Australia.	A process for benefication of titaniferous ores to produce titanium dioxide.
139821	2-11-1973	HINDUSTAN LEVER LTD., of Hindustan Lever House, 165-166 Backbay Reclamation Bombay-20, Maharashtra India.	Detergent bars.
139834	16-11-1973	F. L. SMIDTH & CO. A S, of 77 Vigerslev Alla, Copenhagen, valby, Denmark.	Improvements relating to calcinnation of pulverous material and plant for effecting same.
139844	13-4-1973	UNION CARBIDE CORPORATION, of 270 Park Avenue, New York 10017, New York U.S.A.	Process for extracting metal valves from spent hydrodesulfiurization catalysts.
139924	26-6-1973	SNAM PROGETTI S.P.A., 16 Corso Venezia, Milan, Italy.	Water desalination apparatus.

CHEMICAL ENGG. LIST NO. IV

COMMERCIAL WORKING OF THE PATENTED INVENTIONS

The following patents in the field of Chemical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of Patents Act, 1970, in respect of Calendar years 1984 and 1985, generally on account of want of request for licences to work the patented inventions. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

Patent No.	Date of Patent	Name & address of patentees	Title of the invention
1	2	3	4
140003	21-11-1973	SNAMPREGETTI S.P.A. of 16 Corso Venezia, Milan, Italy.	Process for recovering aromatic hydrocarbons.
140133	16-10-1973	STAMICARBEN B.V. Galeen, The Netherlands.	Process for preparing cycloalkanones and cycloalkanols.
140178	17-10-1973	POLYSAR LTD., of Samia Ontario, Canada.	Vulcanization of chlorobutyl and bromobutyl.
140223	21-12-1973	SNAMPROGETTI S.P.A. of 16 Corso Venezia, Milan, Italy.	Process for the production of dimethyl ether.
140246	12-3-1974	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	A process for the preparation of hydrogen rich gas.
140315	17-10-1974	CRAWFORD BROWN MURTON of 1906 Brushcliffe Road, Pittsburgh, Pennsylvania 15222, U.S.A.	Method for refining pig iron into steel
140366	22-1-1972	HOECHST AKTIENGESELLSCHAFT of 6230 Frankfurt Main 80, FRG	Production of vinyl chloride by thermal cracking of 1, 2, dichloroethane.
140713	20-11-1973	STAMICARBON B.V. Geleen, The Netherlands.	Process for the preparation of cycloalkanones and/or cycloalkanols.
140727	23-11-1973	THE LUBRIZOLE CORPORATION of P.O. Box 3057, Euclid station Cleveland, Ohio, 44117, U.S.A.	Process for preparing basic alkali sulfonate dispersions.
140728	26-12-1973	RUBBER AND PLASTICS RESEARCH ASSOCIATES of Great Britain, of Shawbury, Shresbury, Shropshire, England.	A method of preparing finely divided vulcanized rubber.
140732	11-3-1975	PFIZER INC. of 235 East 42nd street, New York State of New York, U.S.A.	Immobilization of microbial cells.
140738	4-12-1973	HOECHST AKTIENGESELLSCHAFT of 6230 Frankfurt/Main 80, F.R.G.	One package polyvinyl ester adhesives
140782	12-12-1974	THE LUBRIZOE CORPORATION OF BON 17100 Euclid Station, Cleveland, Ohio, 44117, U.S.A.	Process for preparing amine containing organic compsition.
140820	20-3-1974	FMC CORPORATION of 633 Third Avenue, New York 17, U.S.A.	Briquetting of reactive Coal calcinate with high temperature coke oven pitch.
140840	29-9-1980	SNAMPROGETTI, S.P.A. Corso Venezia, 16, Milano, Italy.	Process for producing aluminium chlorohydroxides.
140863	26-9-1974	MONSANTO COMPANY of 800 North Lindbergh Boulevard St. Louis, of Missouri, 63166, U.S.A.	A continuous process for the manufacture of ethyl benzene.
140878	11-12-1973	METALLURGICAL PROCESS LTD. ETC. of Trust Corporation of Bahamas Bldg., West Bay Street, Nassau, Bahamas.	Preparation of feed material for a furnace.
140881	4-1-1974	R. C. OTTO & COMP. GMBH of Bochum, West Germany.	A pressure reactor for producing a combustible gas.
140900	15-2-1975	CANADIAN INDUSTRIES of 630 Dorchester Boulevard West Montreal H3C 2R3, Province of Quebec, Canada.	Stabilized air bubble containing Explosive compositions and process for manufacture thereof.

1	2	3	4
140961	15-12-1973	SECIETE NATIONALE DES POUDRES ET EXPLOSIFS of 12 Quai Henri IV, 75181 Paris, Codex 04, France.	A process and apparatus for concentrating dilute solution of corrosive products such as acids by heating.
140976	17-9-1975	SHELL INTERNATIONALE RESEARCH MAATSACH APPIJ B.V. Of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Process for the preparation of synthetic gas.
141017	19-9-1974	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. of Carel Van Bylandtlaan, 30, The Hague, Netherlands.	Process for preparation of synthetic gas.
141031	15-1-1976	INTEROX CHEMICALS LTD. of Hanover House, 14, Hanover Square, London WIR OBE, England.	A process for epoxidation of an alkene by reaction with peracid.
141060	6-3-1974	F.L. SMIDTH & CO A/S of 77 Vigerslev Alle, Copenhagen, Valby, Denmark.	A method of calcination and a plant for carrying out the same.
141082	21-8-1973	THE BENFIELD CORPORATION of 640 Spruce Lane, Berwyn, Commonwealth of Pennsylvania, U.S.A.	An agoous solution for absorbing carbon dioxide from gas mixtures.
141114	14-11-1973	THE LUBRIZOL CORPORATION of Box 3057, Euclid, station Cleveland, Ohio 44117. U.S.A.	Lubricant oil compositions.
141227	15-7-1974	UNIE VAN KUNSTMESTFABRIEKEN B.V. B.V. of Utrecht, Maliebaan, 81, The Netherlands.	Process for preparing urea from ammonia and carbon dioxide.
141246	31-12-1973	IMPERIAL CHEMICAL INDUSTRIES LTD. of Imperial Chemical House, Millbank, London S.W.I. England.	A process for the catalytic oxyhalogenation of hydrocarbon or halogenated hydrocarbon feed stock.
141324	5-5-1976	INDIAN EXPLOSIVES LTD of 34, Chowringhee, Calcutta-16 West Bengal, India.	Gap sensitive dry blasting agent compositions and method of preparing the same.
141332	5-3-1974	PPG INDUSTRIES INC. of one Cateway Center, Pittsburgh 22, State of Pennsylvania, U.S.A.	Method and apparatus for manufacturing sheet glass.
141354	8-5-1974	IMPERIAL CHEMICAL INDUSTRIES LTD. of Imperial Chemical House, Mill bank London SW1 3JF England.	Method and apparatus for the treatment of liquid borne biologically degrradable waste materials.
141367	19-3-1975	UNION CARBIDE CORPORATION 270 Park Avenue, New York State of New York-10017 U.S.A.	Improved protection for externally heated caste iron vessel used to contain a reactive molten metal.
141752	13-3-1974	UDDEHOLMS AB of Uddeholm, Hagfors, Sweden.	Apparatus & Process for treating a molten metal with a gas/solid.
141886	6-3-1974	NORSK HYDRO A.S. of Oslo Norway of Bygdy Alle-2 Norway.	Method & means for converting a liquid in the form of a melt or concentrated warm or hot solution in to a mass or body of solidified independent prills.
141959	2-11-1974	POLYSAR LIMITED. of Sarnia, Ontario, Canada.	A process for preparing improved generally green strength synthetic rubber compositions.
142240	7-10-1974	THE BOARD OF THE RUBBER RESEARCH INSTITUTE of Malaysia or 260 Jalan Ampang P.O. Box 150 Kuala Lumpur, Malaysia.	Treatment of rubber.
142291	4-6-1974	Do.	Treatment of natural rubber.
142326	5-12-1974	THE LUBRIZOL CORPORATION of Box 17100 Euclid station Cleveland Ohio 44177, U.S.A.	Process for preparing phosphorous, nitrogen and sulfur containing lubricant additives.

1	2	3	4
142330	19-6-1975	SHELI INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. of Carel van Bylandtlaan 30 The Hague, The Netherlands.	Process and apparatus for the gasification of oil.
142397	30-8-1974	STAMICARBON B.V. of P.O. Box 10, Gleen, The Netherlands.	Process for chlorinating ethylene polymers.
142466	13-8-1974	SOLVAY & CIE of 33 Rue du Prince Albert, Brussels, Belgium.	Process for the low pressure polymerization of olefins in the presence of solid catalytic complexes.
142509	1-10-1975	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Improvements relating to high pressure gassification.
142549	2-7-1974	SOLVAY & CIE of 33 Rue du Prince Albert B-1050 Brussels Belgium.	Process for the manuafacture of polyactones from -dichloropropionic acid or its derivatives.
142573	4-10-1974	DULUX AUSTRAUA LIMITED. 1, Nichalson Street, Melbourne, Victoria, Australia.	Process for the preparation of vesiculated polymer beads
142846	22-4-1975	SNAMPROGETTI S.P.A. of 16 Corso Venezia Milan, Itlay.	Process for producing an improved catalytic materials.
143021	3-9-1974	UDDFHOLMS AB Of Uddeholm, Hagfors, Sweden.	A process for reduction of reducible metal oxides in industion heated furnaces.
143034	8-4-1976	SOLVAY & CIE of 23 Rue du Prince Albert, B-1050, Brussels, Belgium.	Processfor the polymerization of olefin
143190	18-9-1974	THE COCA-COLA COMPANY of P.O. Drawer 1734, Atlanta Georgia 30301, U.S.A.	A carbonated system and a process for rapid disinfection in such system.
143192	22-10-1974	SHELL UBTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. of 30 Carel Van Bylandtlaan, The Hague, The Netherlands.	A process for the preparation of silver catalysts for the production of ethylene oxide.
143194	6-11-1974	I. CI AUSTRALIA LTD., TTC of 1 Nicholson street, Melbourne, Victoria, 3001, Australia.	Process for the preparation of ion exchange resin beads.
143234	12-1-1976	VULCAN CINCINNATI INC 2900 Vernon Place, Cincinnati Ohio, U.S.A.	Process for making urea from ammonia & carbon dloxide.
143271	13-8-1974	DAIZO KUNIL & ETC 1—25—16 Nakamachi Meguro, Tokyo, Japan.	Continuous carbonization & gasification of particulate coal with double recirculation of fluidized partuiculate of heat carrier and an apparatus thereof.
143287	22-4-1975	SNAMPROGETTI SPA of 16, Corso Benezia Milan, Itlay.	Surfaces modifying of metal oxide catalysts.
143292	19-5-1975	Do.	Process for separating butadiene from C-4 hydrocarbon stream.
143294	19-5-1975	Do.	Production of alkyl tertiary butyl ethers.
143295	19-5-1975	SNAMPROGETTI SPA of 16 Corso Benezia Milan Itlay	Process for producing tertiary alkyl ethers.
143325	2-11-1975	WACKER CHEMITRONIC GESELLSCHAFT FUR ELECTRONIK GUNDSTOFFE MBH of Johannes Hostreasse 24, 8263 Brughausen, West Germany.	Process for producing novel silicon crystals.
143341	17-9-1975	AUSTRALIAN FERTIIZERS LIMITED of 213, Miller Street, North Sydney, in the state of New South Wales, Australia.	Production of granular ammonium sulphate.
143397	14-5-1976	TUOMO HALONEN OY of 37800, Toijala, Finland.	Method for uniformly heating a flowing substance, such as a liquid or gas.

1	2	3	4
143438	15-1-1975	ANSTALT GEMASS of Vaduz Liechtenstein	Method of coninuous hydrolysis of pentosane containing material and apparatus for implmenting this methoyl.
143442	10-10-1975	METALLURGICALPROCESS LTD. & ETC. of Trust Corporation Bahamos Building West Bay Street, Nassau Behamas.	A method of condensing Zinc vapour.
143447	17-11-1976	STAMICARBON B.V. Of P.O. Box 10, Geleen, The Netherlands.	Process and apparatus for oxdising cycloalkanes.
143457	2-1-1975	MONSANTO CO of 800 North Lindbergh Boulevard St Louis Missouri 63166 U.S.A.	Process of producing styrene from tolune.
143563	22-10-1974	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. of Carel van Bylandtlaanzo, The Hague, The Nether lands.	Process for the production of ethylene oxide.
143602	12-12-1974	THE LUBRIZOL CORPORATION of Box 17100 Euclid Stationer Cleveland, Ohio, 44117, U.S.A.	Process for the preparation of hydroxy alkyl hydroxy aromatic condensation products.
143603	10-2-1975	DIRECTOR GENERAL OF THE AGENCY of Industrial Science andTechnology No. 3-1, 1—chome kasumigaseki, Chiyodaku, Tokyoto, Japan.	Process for the production of substantially ash free liquid fuels.
143660	13-2-1975	THE LUBRIZOL CORPORATION of Box 17100 Euclid station Cleveland, Ohio, 44117, U.S.A.	A method for preparing an oil soluble nitrogen containing compositions useful in lubricants & fuels.
143710	14-6-1976	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	A process for the dehydrogenation of a hydro carbon with acid of an iron cotaining catalsts.
143874	18-1-1977	HELL INTERNATIONALE RESEARCH MAATSCHAPPIJ. B.V. of Carel Van Bylandtlaan, 30, The Hague, The Netherlands.	Process and apparatus for preparation of dewatered carbonaceous particles.
143876	24-7-1975	NUOVO PIONONE S.P.A. of Via F. Matteucci 2, Firenze, Itlay.	A process for producing oxygen and or nitrogen in the liquid state.
143881	29-3-1975	SNAMPROGETTI S.P..A. of 16 Corso Venezia, Milan Itlay.	Process for removing urea powder.
143889	24-11-1975	HOECHST AKTIENGESSELLSCHAFT of 6230, Frankfurt/Main 80 FRG.	A process for the manufacture of polymer mixture for making intermediate sheeting for laminated glass.
143930	11-11-1975	THE BENFIELD CORPORATION of Station square III, Suite 206, Paoli, Pennyslvania 19301, U.S.A.	Synthesis of ammonia from a hydrocarbon Sta material.
144019	30-8-1975	UNITED STATES BORAX AND CHEMICAL CORPORATION of 3075, Willshire Boulevard, Los Angles, California, U.S.A.	A process for the fluid-bed dehydration of borax.
144027	14-4-1977	THE LUBRIZOL CORPORATION, of Box, 17100 Euclid Station Cleaveland Ohio 44117, U.S.A.	A process for preparing a magnesium containing complex.
144034	10-9-1975	SHOWADENKO K.K. of 13-9, Shiba-Diaimon 1—chome, Minato-ku Tokyo, Japan.	Method for manufacture of reduced pellets for use in metal refinery from mineral orc.
144053	13-5-1975	METALLURGICAL LIMITED, of Trust Corporation of Bahamas Bldg., west Bay Street, Nassan, Bahamas.	A method of smelting zinc in blast furnace.
144076	28-5-1975	UNITED TECHNOLOGIES of Hartford, Connectiout, U.S.A.	A method of preparihg a coating composition for improving to hot corrosion.

1	2	3	4
144134	16-9-1975	GOULD INC. OF 10, Gould Center, Rolling Meadows, Illinois, U.S.A.	Improvements in or relating to reuse of vulcanized rubber.
144217	11-8-1975	THE BOARD OF THE RUBBER RESEARCH INSTITUTE of Malaysia, 260 Jalan Ampang, P.O. Box 150, Kualalumpur, Malaysia.	Coagulation of rubber latex.
144264	30-7-1975	SNAMPROGETTI S.P.A. of 16 Corso Venezia, Milan, Itlay.	Improvements in or relating to the productioh of polyiminoalanes.
144308	27-11-1975	THE LUBRIZOL CORPORATION, of P.O. Box-17100, Euclid Station Cleveland Ohio, 44117, U.S.A.	A method of nitrogen containing sulfurated mannich condensation product useful as an additive for lubricants and normally liquid fuels.
144322	19-4-1975	IMPERIAL CHEMICAL INDUSTRIES LTD. of Imperial Chemical House, Millbank, London S.W.1.	Process for the manufacture of calcium sulphate alpha-hemihydrate.
144372	30-9-1975	THE BOARD OF THE RUBBER RESEARCH INSTITUTE of Malaysia 260 Jalan Ampang, P.O. Box 150, Kualalumpur, Malaysia.	Non aqueous composition for stimulating the yield of rubber latex from Hevea brasiliensis.
144385	10-3-1976	UNION CAREIDE CORPORATION, of 270 Park Avenue, New York, State of New York 10017, U.S.A.	Process for the preparation of low and medium density ethylene polymer in fluid bed reactor.
144410	7-8-1976	DR. C. OTTO & COMP. GMBH of 463 Bochum, West Germany.	A method for the pruduction of coke using a battery of coke ovens with a regonerative change of draught.
144499	15-4-1976	UNILEVER LIMITED, of Unilever House Balackfriars, London EC4, England.	Process for the preparation of dry leaf tea.
144577	20-7-1976	MONOSANTO COMPANY, of 800 North Lindbergh Boulevard, St., Louis Missouri, 63166, U.S.A.	Process of making thermoplastics elastomeric composition.
144604	30-8-1976	THE LUBRIZOL CORPORATION, of Box-17100, Euclid Station, Cleveland, Ohio 44117, U.S.A.	Process for the preparation of hydrocarbon substituted methylol phenol compositions.
144711	2-5-1975	F.L. SMIDTH & CO. A/S, of 77 Vigerslev Alle, DK-2500, Copenhagen Valby, Denmark.	Improvements relating to the method & plant for calcination of pulverous material.
144829	29-3-1977	UNION CARBIDE CORPORATION, of 270 Park, Avenue, New York, State of New York 110017, U.S.A.	Process for polymerizing a monomer charge.
144940	8-2-1977	THE LUBRIZOL CORPORATION, of P.O. Box 17100 Euclid Station, Cleveland, Ohio 44117 U.S.A.	A lubricating composition.
145083	7-10-1976	THE LUBRIZOL CORPORATION of Box 17100 Euclid Station, Cleveland, Ohio 44117, U.S.A.	A lubricant composition for two cycle engines.
145084	7-10-1976	Do.	Process for preparing amino phenol compounds.
145085	27-10-1976	Do.	A process for making a nitrogen containing organic composition.
145251	27-5-1976	ASAHI GLASS COMPANY LTD., of No. 1-2, Marunouchi, 2-Chome, Chiyoda-ku, Tokyo, Japan.	Process for producing ammonium chloride.
145307	4-5-1976	BIOCHEMICANICS LTD. of Smarden Ashford Kent, England.	A method of obtaining reduced quantity of waste materials from brodegradable waste materials.
145378	4-5-1977	AMERICAN CYNAMID CO. of Wayne, New Jersey, U.S.A.	Novel Method for dinitrosation of organic nitrosamines.

1	2	3	4
145389	23-10-1976	IMPERIAL CHEMICAL INDUSTRIES LTD., of Imperial Chemical House, Millbank London SW1, England.	A method of preparing an oxychlorination catalyst coomposition.
145468	22-6-1976	S.I.A.P. SOCIETA INDUSTRIELE AGGLOMERATI PRODOTTI PERTOLIFERI S.P.A. of 117 Corso del Popolo 30172, Venezia-Mestie Itlay.	A process for producing graphite agglomerates and agglomerated products obtained by it.
145617	22-8-1977	OUTOKUMPU OY of Outokumpu, Finland.	Hydrometallurgical process for recovery of zinc, copper, and calcium from their ferrites.
145670	6-1-1977	UNION CARBIDE CORPORATION of 270 Park Avenue, New York 10017 U.S.A.	Method of preparing nickel, rhenium hydrogenation catalyst.
145851	7-4-1977	NITTO CHEMICAL INDUSTRY CO LTD., of No. 5—1, Marunouchi, 1—chome, Chiyoda Ku, Tokyo, Japan.	Process for producing acrylonitrile.
145922	23-6-1976	BAMAG VER of Butzbach/Hessen West Germany.	Coal gasification process.
145931	21-8-1976	HINDUSTAN LEVER LTD., of Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-20, Maharashtra, India.	Detergent compositions.
145959	12-10-1976	HINDUSTAN LEVER LTD., of Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-20.	Heavy duty fabric washing powder.
146044	1-4-1977	SHIN ETSU CHEMICAL CO. LTD., of 6-1, Otomachi 2, Chome, Chiyoda Ku Tokyo Japan.	Metod for removing unreacted monomer from the aqueous dispersion of polymerizate of vinyl chloride.
146105	29-10-1976	UNION CARBIDE CORPORATION of 270, Park Avenue New York 10017, U.S.A.	Process for removal of H2S from feed gas.
146147	29-3-1977	UNION CARBIDE CORPORATION, of 270 Park Avenue, New York 100017, U.S.A.	Process for producing particulate resolve from aqueous dispersion.
146212	3-6-1977	HOECHST AKTIENGESELLSCHAFT of 6230, Frankfurt Main FRG.	A process for preparing stabilized red .phosphorous.

ELECT. ENGG. LIST—I

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filled by them under Section 146(2) of the Patents Act, 1970, in respect of calender year 1984 & 1985 generally on account of want of request for licences to work the patented inventions. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

Patent No.	Date of Patent	Name & Address of the Patentee.	Title of the Invention
1	2	3	4
141303	19-2-1975	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH. Rafi Marg, New Delhi-1, India.	Improvement in or relating to probe for ultrasonic therapy.
142130	14-11-1974	Do.	Improvements in or relating to Electret Condenser Microphone.
142695	19-1-1976	Do.	Improvements in or relating to anodising aluminium and its alloys using alternating current in sulphuric acid electrolyte.

1	2	3	4
142698	16-9-1975	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg,New Delhi-1, India	A device for picking up vibrations such as voice signals directly from the throat.
142977	22-3-1975	Do.	Improvements in or relating to a process of electrolytic production of iron powder/ iron.
143690	25-9-1975	Do.	Pyroelectric infrared detector using dlglycine sulphate.
144075	21-4-1975	Do.	Ultra safe blasting circuit tester.
145304	27-12-1976	Do.	Process for the electro chemical preparation of arylalkylamines such as benzyl amine and beta phenylethylamine.
145333	9-7-1976	Do.	An arc extant for striking an arc between two electrodes suitable for photographing the spectra of elements alongwith spectrographs.
145907	15-1-1977	Do.	Transducer for measuring the displacement of an object.
146259	11-5-1977	Do.	Magnetic sound power telephone.
147948	28-12-1977	Do.	An improved process for the simultaneous electrolitic production of Zinc metal and manganese dioxide from zinc sulphide concentration & manganese ores.
148110	18-3-1978	Do.	Improved process for the electro deposition of iron nickel alloys coatings on metal substrates.
148329	29-3-1978	Do.	Improvements in or relating to recovery of copper from industrial by-product copper compounds such as copper oxide waste from copper rolling mills as well as by-product copper compounds from chemical industry.
148429	13-7-1978	Do.	A process for making an efficient photo conduction material.
147556	16-2-1978	ASEA AKTIE BOLAG- S-721 83 Vasteras, Sweden.	Protective device for cappacitor bank.
147667	19-10-1976	MOBIL SOLAR ENERGY CORPORATION, 16 Hickory Drive, Waltham, Massachysetts, U.S.A.	A sheet of board material for moisture resistant packaging.
148031	30-5-1987	MASCHINENFABRIK REINHAUSEN GEBRUDER SCHE UBECK GMBH & CO. Kg., 8 Falken Steinstrasse, 84 Regensburg F.R.G.	A tap switch assembly for a tapped transformer.
148272	19-6-1978	THE GENERAL ELECTRIC COMPANY LTD., Sanhope Gate, London W1 A 1EH, England.	Improvements in or relating to moving coil electrical indicating instruments.
148652	27-4-1978	WESTING HOUSE BRAKE & SIGNAL CO. LTD., 3 John Street, London WC 1N 2ES, England.	Electrical binary code producing apparatus.
149233	5-3-1979	PEICE ELECTRONICS & ELECTRICALS Ltd., Shivsagar Estate, 'A block, Dr. Annie Besant Road, Worli, Bombay-400 018.	An improved drive system for tunning in frequencies in a radio.
149452	8-6-1978	THE BI-MODAL CORPORATION 200 Railroad Avenue, Greenwich State of Connecticut, U.S.A.	Improvements in or relating to vehicles convertible from highway to railroad mode of travel and vice versa.

1	2	3	4
149412	13-4-1978	MASCHINENFABRIK REINHAUSEN GENRUDER SCHEUBECK Gmbh & Co. Kg., 8, Falkenstein strasse, 8400 Regensburg, F.R.G.	Apparatus for causing stepwise switching of tap switches of a tapped transformers.
150146	25-5-1978	SHELL INTERNATIONALE RESEARCH B.V. MAATSCHAPPIJ B. V. Carel Van Bylandtlaan 30. The Hague, The Netherlands.	Photogralvanic cell.
150351	13-12-1978	SIEMENS—ALBIS AKTIENGESELLSCHAFT Albi Sriederstrasse, 254 CH-8407 Zurich, Switzerland.	Improvements in or relating to radar units for angular measurements.
152543	10-7-1979	SPENO INTERNATIONAL S.A. 22-14 Prac Chateau—Banquet 1211 Geneve 21, Switzerland.	A device for displaying at least one category of geometrical defects measured on railway track sections of given length.

ELECTRICAL ENGG. LIST NO. II

COMMERCIAL WORKING OF PATENTED INVENTION

The following Patents in the field of Electrical Enginnering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of calendar Years 1984 & 1985. Generally on account of want of requests for licences to work the said Patents, commercially may contact the Patentees for the grant of Licence for the purpose.

Patent No.	Date of Patents	Name & Address of Patentees	Title of the Invention
1	2	3	4
140163	8-8-1973	THE SOLARTRON ELECTRONIC GROUP LTD, of Victoria Road, Farnborough, Hampshire, England.	Improvements in weapon training systems particularly for stimulating the use of a weapon.
140339	10-12-1973	N. V. PHILIPS' GLOEILAMPENFABRIEKEN of Emmasingel, Eindhoven, Netherlands.	Luminescent screen.
140457	15-11-1973	LODGE-COTTRELL LTD, of Geroge Street, Parade, Birmingham, England.	Automatic voltage controller.
140601	23-11-1973	THE GENERAL ELECTRIC COMPANY LTD, of 1, Stanhope Gate London W 1A, England.	Improvements in or relating to protective devices for electrical power transmission ystem.
140745	17-8-1974	LODGE-COTTRELL LTD., of George Street, Parade, Birmingham, 11, England.	Rectifier control circuit.
140928	15-4-1974	MONSANTO COMPANY, of 800, North Lindbergh Boulevard, St. Louis, Missouri 63166, USA.	Capacitor and disolectric impregnment composition therefor.
141075	19-3-1973	WESTINGHOUSE ELECTRIC CORPORATION bld, of Westinghouse bld, Gateway center Pittasburgh Pennsylvania 15222, USA.	Out current limiting fuss.
141568	30-9-1974	RCA CORPORATION, 30, Rockfellor Plaza, New York, N.Y. 100200, USA.	An improved televison receiver deflection syn-chronization system.
141753	22-3-1975	UNION CARBIDE CORPORATION, of 270 Park Avenue, New York, State of New York 10017, USA.	Push button switching nodule for flashing light and its use in flash light.
141763	18-7-1974	N. V. PHILIPS' GLOEILAMPENFABRIEKEN of Emmasingel 29, Eindhaven, Netherlands.	Circuit arrangement including a syrator resonant circuti.

1	2	3	4
146767	2-9-1974	WESTINGHOUSE ELECTRIC CORPORATION, Westinghouse Bldg. Gateway Center, Pittasburgh, Pennsylvania 15222, U.S.A.	Molded magnetic coros utilizing cut steel particles.
141868	20-9-1974	UNION CARBIDE CORPORATION, of 270, Park Avenue, New York, State of New York 10017, U.S.A.	Primary dry cells.
142070	30-9-1974	SIEMENS-ALBIS AKTIENGESELLSCHAFT, of Albisriederasse 245, 8047, Zurich Switzerland.	Improvements in or relating to doppler pilse radar systems.
142175	25-9-1974	N.V. PHILIPS' GLOEILAMPENFABRIEKEN of Emmasingel, Eindhavan, Netherlands.	Low pressure mercury vapour discharge lamp
142302	23-9-1974	I.C.I. LTD., Imperial Chemical House, Millban London, S.W.I, England.	Elecrolyticcells.
142331	3-10-1975	BRITISH STEEL CORPORATION, of 33, Grosnover Place, S.E. 1, England.	Improvements in or relating to non distructive testing apparatus.
142422	30-6-1975	USS, ENGINEERS CONSULTANTS INC. of 600, Grant Seet, Pittsburgh, State of Ponnsylvania, U.S.A.	Electrolytic treating apparatus.
142937	10-6-1974	WESTINGHOUSE ELECTRIC CORPORATION, of Westinghouse Bldg., Gateway Centre,Pittsburgh, Pennesylvania, USA.	A high voltage, electrical device incorporation epoxy anhydride propegs.
143183	12-7-1976	DR. C. OTTO & COMP GMBH, of Christstrasse 9, 463, Bochum, West Germany.	Battery of coke ovens with regenerative heat oxchange.
143218	13-1-1975	WESTINGHOUSE ELECTRIC CORPORATION of Westinghouse Bldg. Gateway Center, Pittsburgh, Pennsylvania, U.S.A.	Circuit interrupter with electromagnetic opening means.
143408	27-8-1976	HOECHST AKTIENGESELLSCHAFT, of 6230, Frankfurt, Main 80, F.R.G.	Electrolytic apparatus for production of chloride from aqueous alkali metal chloride.
143949	26-5-1975	SMITHS INDUSTRIES LTD, Cricklewood, London NW 2, 6U, N, England.	Moving coil electrical instrument.
144169	29-4-1975	WESTINGHOUSE ELECTRIC CORPORATION, Westinghouse bldg, Gateway Center, Pittsburgh, Pennsylvania, 15222, USA.	Electrical bushing having a spiral tap assembly.
144193	6-10-1975	JOHANNES ZIMKER, Ebenstalerstrasse, 133, 9020, Klagenfurt Austria, Ebenstalerstrasse.	A device for treating a web of material.
144307	20-8-1975	WESTINGHOUSE ELECTRIC CORPORATION, Westing hose bld., Gateway Center, Pittsburgh Pennsylvania, U.S.A.	Dynamo electric machine.
144409	29-6-1976	UNION CARBIDE CORPORATION, 270; Park Avenue, New York, State of New York 10017, U.S.A.	Electrochemical cell.
144823	7-4-1976	ASANI GLASS Co., Ltd., No. 1-2, Marunouchi, 2-Chome, Chyioda-ku, Tokyo, Japan.	Electrolytic cell.
144881	23-3-1976	UNION CARBIDE CORPORATION, 270, Park Avenue, State of New York-10017, USA.	Non-aquous electrochomical cell.
145081	27-3-1976	Do.	Galvanic dry cells.
145181	25-11-1975	Westinghose Electric Corporattion, Westinghouse bldg, Gateway Center, Pittsburgh Pennsylvania, U.S.A.	Electrical apparatus having conductors boarded to other with flexible belts.
145208	26-11-1975	Do.	Electro mechanical apparatus for securing & winding conductors of turbine generator.

1	2	3	4
145674	7-10-1977	HOECHST AKTITENGESELLSCHAFT, 6230, Frankfurt/Main 80, F.R.G.	Metal anode suitable for use in the electrolytic production of manganese dioxide and a process of manufacturing the same.
145774	15-7-1977	UNION CARBIDE INDIA LTD, 1, Middleton Street, Calcutta 700 016, INDIA.	Electric flashlight.
145796	22-12-1976	WESTINGHOUSE ELECTRIC CORPORATION, Westinghouse bldg Gateway Center, Pittsburgh Pennsylvania-15222, USA.	Low voltage vacuum switch and operating machine.
145863	29-9-1976	Do.	Capactive voltage transformer with improved compensating reactor arrangements.
146049	22-7-1976	THE NEWALL ENGINEERING COMPANY LTD, Oundle Road, Peterborough, PE20BL, England.	Position detectors for measuring relative movement and/or displacement.
146071	22-4-1977	MALHATI TEA & INDUSTRIES LTD, 11, Government Place East, Calcutta, 700 069 West Bengal.	An inverse defininte minimum time relay for overcurrent protection.
146186	2-2-1977	HAZEMELJER B.V. Tuindorpstrast 61, Hengelo, The Netherlands.	Vacuum switch.
146197	29-1-1977	WESTINGHOUSE ELECTRIC CORPORATION, Westinghouse bldg, Gateway center, Pittsburgh Pennsylvania-15222, USA.	Surge arrester gap and grading means.
146296	28-1-1977	THE ENGLISH ELECTRIC COMPANY LTD, 1, Stanhope Gate, London WIA, 1EH, England.	Electrical terminal connector.
146318	14-7-1976	THE ENGLISH ELECTRIC CO. LTD, 1 Stanhope gate, London, W 1A, 1H, England.	Electrical terminal connector.
146387	24-2-1977	WESTINGHOSE ELECTRIC CORPORATION, Westinghouse bldg., Gateway Center, Pittsburgh Pennsylvania-15222, USA.	Circuit breaker with improved trip means having ahigh rating shunt trip.
146424	13-4-1977	BADISCHE CORPORATION, Williamsburg, State of Virginia, 23185, U.S.A	Intergral electrically-conductive textile filament.
146528	8-6-1976	N.V. PHILIPS GLOEILAMPENFABRIEKEN Emmasingel, Eindhoven, Netherlands.	Low-pressure mercury vapour lischarge, lamp and a method of preducing the same.
146560	6-10-1976	WESTINGHOUSE ELECTRIC CORPORATION, Westinghouse bldg. Gateway centere, Pittsburgh, Pennsylvania, 14222, U.S.A.	Capacitive voltage transformers.
146566	12-12-1977	UNION CARBIDE INDIA LTD. 1 Middleton Street, Clacutta, 700 071, West Bengal, India.	Dry battory operated lighting means which automatically come in the operation when the mains power is cut off.
146642	21-6-1977	MARSTON EXCELSIOR LTD, Webaston Road, Ferdheunes, Welvarhampten, W V10 60J.	Electrode for use in a disphragm of ro membrane.
146788	10-6-1974	WESTINGHOUSE ELECTRIC CORPORATION, of Westinghouse bldg. Gateway Center Pittsburgh, Pennsylvania-15222, USA.	Flexiblo non-tacdy prepegs and method of making same.
146792	6-10-1976	SIEMENS ALBIS AKTIENGESELLSCHAFT of Albisriederstrase, 245, 8047, Zurich, Switzerland.	Arrangement for correcting deviations from the true bearing caused by reflecting surfaces in target tracking radar installations.
146898	19-10-1976	MOBIL TYCO SOLAR ENERGY, 16, Hickery Drive, Waltham, Massohusetts, U.S.A.	Method of producing ribbon-Like bodies for use in fabricating solar cells.
146899	19-10-1976	Do.	Manufacture of semi-conductor ribbon and solar cells.

1	2	3	4
147069	22-12-1976	CONTRAVES A.G. of Schaffauser strasse 580, 8052, Zurich, Switzerland.	A combination of a vehicle and an electrical power generating set.
147274	17-2-1977	UNION CARBIDE CORPORATION, of 270 Park avenue, New York State of New York, U.S.A.	An electrochemical cell.
147275	17-2-1977	UNION CARBIDE CORPORATION, of 270 Park avenue, New York, State of New York, U.S.A.	An electrochemical cell.
147292	2-3-1977	WESTINGHOUSE ELECTRIC CORPORATION A of Westinghouse Bldg. Gateway Center, Pittsburgh Pennsylvania, 15222, USA.	method of producing semiconductor switching devices.
147311	18-2-1977	HAZEMEIJER B.V. of Tuinderpstrest 61, Hengele, the Netherlands	Vacum switch.
147458	5-12-1977	FERRANTI LIMITED, of Hollinwood, Lancashire, England.	Electric circuits for digitising date.
147814	7-4-1977	WESTINGHOUSE ELECTRIC CORPORATION, of Westinghouse bldg. Gateway center, Pittsburgh Pennsylvanaia, 15222, USA.	A method of fabricating thyrister & diede-semiconducter devices by tailoring or modifying their recovery charges.
147919	19-4-1978	GHUGAL DENKI KOGYO KABUSHIKI KAISHA, of 13/3 Nihonbashi Kayabache 2-chome, Tokyo, Japan.	A method of making improved Ag-metal oxides electrical contact materials
147951	6-7-1978	IMI MARSTON LIMITED, of Wobaston Road, Ferdhouses, Wolverhampton WV 10, 6 QJ, England.	Electrical Connector
148239	20-2-1978	FERRANTI LIMITED, of Hellinwood, Lancashire, England.	Data processing systems.
148642	16-3-1978	PERRANTI LIMITED, of Bridge house Park Road, Gately, Cheadle, Cheshire 4 Hz, England.	Data processing apparatus.
148735	8-5-1978	WESTINGHOUSE CORPORATION, Westinghouse Bldg Gateway Centre, Pittsburgh, pennsylvania-15222, U.S.A.	Package for high triggered semiconductor device.
148845	23-9-1977	WESTINGHOUSE ELECTRIC CORPORATION, of Westinghouse bldg. Gateway center. Pittsburgh, Pennsylvania, 15222, U.S.A.	Semiconductor switching devices.
148893	1-10-1977	N. V. PHILIPS' GLOELMAPENFABRIEKEN, Emmasingel, 28, Eindhoven Holland.)	Low-pressure sodium vapour discharge lamp.
148981	24-4-1978	USHIO DENKI KABUSHIKI KAISHA, 6-1, Otemachi, 2-chome Asahi, Tokai, Bldg. 19th floor chiyo,	Rare gas discharge lamp.
148982	24-4-1978	DO.	Discharge lamp.
149273	20-12-1977	WESTINGHOUSE ELECTRIC CORPORATION, of westinghouse bldg. Gateway center, Pittsburgh, Pennesylvania, 15222, USA.	Apparatus for proection against subsynchronous currents in a power system.
149498	23-6-1977	MAILLEFER SA A. Route du Bois, 1024, Ecublens, Canton of vaud Switzerland.	Method & Apparatus for manufacturing electric wire having wireenamel-typinsulation.
149499	23-6-1977	Do.	Method of manufacturing insulated electric wire of the enamelledwire type by extrusion.

1	2	3	4
149575	28-2-1978	WESTING HOUSE ELECTRIC CORPORATION, of Westinghouse bldg. Gateway Center, Pittsburgh Pennsylvania. 15222, U.S. A.	Vaccum switch system for electrolytic cells.
150128	31-1-1979	N. V. PHILIPS GLOEILA PEN FABRIEKEN Emmasingle, Eindhoven, Netherlands.	Hingh pressure sodium-vapor dishcarge lamp.
150329	10-12-1979	WESTINGHOUSE ELECTRIC CORPORATION, Westinghouse Bldg, Gateway Center, Pittsburgh, Pennsylvania, U.S.A.	A method of making power semi-conductor and power semi-conductor devices produced thereby.
150540	10-8-1978	N. V. PHILIPS' GLOEILAMPENFABRIEKEN, Emmosingel, Eindhoven, The Netherlands.	A lumineseent layor for a low-pressure mercurry vapour disharge lampona low pressure mercury discharge lamp coated therewith.
150544	6-10-1978	OUTOKUMPU OY. OUTOKUMPU, Finland.	Process for selective removal of bismuth & antimony from an electrolyte especially in electrolytic refining of copper.
150739	13-12-1978	HOLEC SYSTEMEN EN COMPONENTEN, B.V. Tuindorpostraat 61, 75555 CS, Hongelo, Ov. The Netherlands.	Three phase vacuum switchor the like for interrupting an inductive load in a three phase high voltage network.
150718	11-7-1979	WESTINGHOSE ELECTRIC CORPORATION, Westinghouse Bldg, Gateway Center, Pittsburgh, Pennsylvsnia, 15222, U.S.A.	Dynano electric machines.
150911	14-3-1979	Do.	A method for producing voltage limiter-suitable for use in gapless lighting arresters.
151120	22-8-1979	Do.	Var generators.
151262	12-7-1979	Do.	Low voltage vacuum switch.
151292	26-10-1979	Do.	Transistors.
151730	18-11-1980	Do.	Electric switching device.
151842	22-3-1980	Do.	An electrical control device.
151851	19-10-1979	Do.	Light activated semi-conductor switches.
151852	19-10-1979	Do.	Low-voltago vacuum switches.
152332	20-7-1979	Do.	Light activated semi-conductor switches.
150970	29-1-1979	Do.	Apparatus for selectively activating a plurality of electrical loads at predetermined relative tunes.
151012	19-1-1979	ICI LTD, Imperial Chemical House. Millbanale london, SWIP, 3JF, England.	An electric ignition assembly.
151233	24-1-1979	VOEST-ALPINE AG. 1011 Vienna, Friedrichstrasse 4, Austria,	Apparatus for controlling the working motion of a cutting tool of a tunnel driving machine over the breast.
151251	8-3-1978	CHLORINE ENGINEERS CORP. LTD, No. 2-5, Kasumigaseki, 3 chome Chiyoda-ku, Tokyo, Japan.	Bipolar electrode and mathod for the production thereof.
151449	20-10-1978	N.V. PHILIPS' GLOEILAPENFABRIEKEN Emmasingel, Eindhoven, The Netherlands.	Cathod rav tube.
151450	18-7-1979	ASEA-JUMET, S.A. Zone Industrielle, Jumet Gosselies, 6040, Charleroi (Jumet). Belgium.	Improvements in electrical poweg capacitors and a method of manufacture thereof.

RENEWAL FEES PAID

138186	138241	139602	140953	14127	142008	142081
138186	138241	136902	140953	141727	142008	142081
145986	146093	146424	146512	147141	147431	147587
149307	149821	150112	151436	151791	152025	152072
152086	152211	152221	152675	152912	152914	153077
153532	153700	153716	154584	154820	154840	154864
155689	155692	155797	155970	156099	156378	156489
157147	157180	157218	157411	157433	157462.	

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 152748 dated the 4th September, 1982 made by Nirmal Kumar Fatesaria on the 27th August, 1986 and notified in the Gazette of India, Part-III, section 2 dated the 6th December, 1986 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period to two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 157514. Sharp Kabushiki Kaisha, Japanese company, 22-22, Nagaike-che, Abene-Ku. Osaka, Japan. "Air Conditioner". October 8, 1986.

Class 1. No. 157523 to 157528. Premier Irrigation Equipment Ltd., Indian Co., 17/1C, Alipore Road, Calcutta-700027, W.B., India. "Pipe Coupling". October 9, 1986.

Class 1 Nos. 157529 & 157530. Premier Irrigation Equipment Ltd. Indian Company of 17/1C Alipore Road, Calcutta-700027. West Bengal, India. "Irrigator". October 9, 1986.

Class 3. No. 157384. Standard Oil Compani, C-21, Vikrant, Tilak Road, Ghatkopar (East), Bombay-400077, Maharashtra, India. an Indian Partnership Firm. "Container made of Plastic". September 25, 1986.

Class 3. No. 157597. Universal Luggage Mfg. Co. Pvt. Ltd., an Indian Company, Building-B, Shah Industrial Estate, Saki-Vihar Road, Bombay-400072, Maharashtra, India. "Briefcase". October 27, 1986.

Class 3. No. 157845. Scicon International Pvt. Ltd. Arvind Chambers, 2nd floor, Seth Studio Compound, 194, Andheri Kurla Road, Andheri (East), Bombay-400069, Maharashtra, India. "Container". January 6. 1987.

Class 3. No. 157872. National Industrial Corporation Limited. Flat No. 8, Khan Market, New Delhi-110003, India. "Bottle". January 14, 1987.

Class 3. No. 157873. National Industrial Corporation Ltd. Flat No. 8, Khan Market, New Delhi-110003, India. "Bottle". January 14, 1987.

Name Index for the applicant for Patent for the month of August, 1986 (Nos. 586/Cal/86 to 656/Cal/86; 617/Mas/86 to 700/Mas/86; 700/Del/86 to 776/Del/86 and 215/Bom/86 to 241/Bom/86.

Name	*Appln. No.*

A

ARI TECHNOLOGIES, Inc.—637/Mas/86.

Actief M.V.—646/Mas/86.

Agarwal, R. D.—703/Del/86, 704/Del/86.

Agrawal, M. (Smt.)—237/Bom/86.

Agrawal, M. (Mohondas).—237/Bom/86.

Agrawal, M. (Mukesh).—703/Del/86, 704/Del/86.

Agrawal, R.—703/Del/86, 704/Del/86.

Agri-Shield, Inc.—597/Cal/86.

Ahmedabad Textile Industry's Research Association.—234/Bom/86.

Air Products and Chemicals, Inc.—669/Mas/86, 670/Mas/86.

Albright & Wilson Ltd.—711/Del/86.

Alcan International Limited.—773/Del/86.

Alcatel.—770/Del/86.

Alfa Institut Fur Hauswirtschaftiche Product UND Verfahrens-Entwicklung GmbH.—636/Mas/86.

American Gyanamid Company—638/Cal/86.

American Hoechst Corporation.—636/Cal/86.

Amoco Corporation.—757/Del/86.

Amsted Industries Incorporated.—691/Mas/86.

Arabic Latin Information of Systems Inc.—626/Mas/86.

Atochem.—697/Mas/86.

B

BASF Aktiengesellschaft.—638/Mas/86.

B.F. Goodrich Company, The.—619/Cal/86.

B. F. Goodrich Company, The.—742/Del/86.

Babcock & Wilcox Company, The.—653/Cal/86.

Beangey, C. J.—695/Mas/86.

Bedekar, B. R.—229/Bom/86.

Bendix France.—768/Del/86.

Bhabha Atomic Research Centre.—228/Bom/86.

Bharat Heavy Electricals Limited.—761/Del/86.

Bhate, V. M.—219/Bom/86.

Biswas, S.—650/Cal/86.

Boots Co. (India) Ltd, The.—227/Bom/86.

Bose, V. J.—680/Mas/86.

Bratsky, F. F.—630/Cal/86.

British Petroleum Company, P.L.C., The.—715/Del/86.

Buss AG.—689/Mas/86.

C

Carrier Corporation.—587/Cal/86, 640/Cal/86.

Cassella Aktiengesellschaft.—672/Mas/86.

Catalytica Associates.—651/Cal/86.

Champion Spark Plug Europe S.A.—709/Del/86, 766/Del/86.

Chauhan, S. S. R.—633/Cal/86.

Chemie Linz Aktiengesellschaft.—713/Del/86.

Chusovskoi Metallurgichesky Zavod.—618/Cal/86.

Ciba-Geigy AG.—650/Mas/86.

Colgate Palmolive Company.—737/Del/86, 758/Del/86, 759/Del/86.

Combustion Engineering, Inc.—654/Cal/86.

Contractor, E. N.—231/Bom/86.

Council of Scientific and Industrial Research.—730/Del/86, 731/Del/86, 744|Del|86, 764|Del|86.

Name	Appln. No.

D

DR. C. OTTO & COMP. GMBH.—620/Cal/86.

Dholaria, K. R.—226/Bom/86.

Dhrangadhra Chemical Works Ltd.—239/Bom/86.

Dnepropetrovsky Metallurgichesky Institut Imeni L.I. Brezhneva.—596/Cal/86.

Dow Chemical Company The.—642/Mas/86.

Dragewerk Aktiengesellschaft.—767/Del/86.

Driescher Panicker Switchgear Private Limited.—675/Mas/86.

Dricon Air Pty Limited.—656/Cal/86.

Duncan Vehicles Limited.—693/Mas/86.

E

E.I. Du Pont De Nemours and Company.—589/Cal/86, 614/Cal/86.

EMS-Inventa AG.—644/Cal/86.

Eaton Corporation.—595/Cal/86.

Eicher Goodearth Limited.—769/Del/86.

El Paso Hydrocarbons Company.—684/Mas/86.

ELANCO/IHARA K. K.—600/Cal/86.

ELI LILLY AND COMPANY—600/Cal/86.

Elkem a/s.—649/Mas/86, 679/Mas/86.

Emhart Industries, Inc.—755/Del/86.

Energy Conversion Devices, Inc.—732/Del/86.

Engelhard Corporation.—631/Cal/86.

Eutectic Corporation—681/Mas/86, 682/Mas/86.

F

Fahey, J.—678/Mas/86.

Firma Carl Still GMBH. & Co. KG.—620/Cal/86.

Fried Krupp Gesellschaft Mit Beschrankter Haftung.—632/Cal/86.

Froishteter, G. B.—623/Cal/86.

G

Gaspower International Limited.—666/Mas/86.

Gewerkschaft Eisenhutte Westfalia Gmbh.—635/Cal/86.

Glaverbel.—762/Del/86.

Gorkovsky Politekhnichesky Institut Imeni A. A. Zhdanova.—594/Cal/86.

Gosudarstvenny Nauchno-Issledova telsky Institut Khimii I Tekhnologii Elementoorganicheskikh soedineny "Ghiikhteos".—593/Cal/86.

Greaves Eoscco Ltd.—245/Bom/86.

Grebenjuk, A.A.—630/Cal/86.

Gupta, K. N.—220/Bom/86.

Gupte, K. A—610/Cal/86.

H

H. V. Equipments Pvt. Ltd.—702/Del/86.

Haranhalli, A. S.—217/Bom/86.

Harve, R. L.—219/Bom/86.

Hindustan Lever Limited.—221/Bom/86, 222/Bom/86, 223/Bom/86.

Hitachi Ltd.—599/Cal/86.

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H—*Contd.*

Hoechst Aktiengesellschaft,—601/Cal/86, 602/Cal/86, 603/Cal/86, 639/Cal/86.

Hollandse Signaalapparaten B. V.—613/Cal/86.

I

ICI Australia Ltd.—710/Del/86.

Ihara Chemical Industry Co. Ltd.—600/Cal/86.

Imperial Chemical Industries PLC.—705/Del/86, 714/Del/86, 747/Del/86.

Indian Council of Agricultural Research.—738/Del/86, 739/Del/86.

Institut Khimicheskoi Kinetiki I Gorenia Sibirskogo Otdelenia Akademil Nauk SSSR.—607/Cal/86.

Interlego A/S.—735/Del/86.

International Business Machines Corporation.—641/Mas/86, 673/Mas/86.

Ischuk, J. L.—623/Cal/86.

Iyangar, S. K.—240/Bom/86, 241/Bom/86.

J

Jain, K. C.—627/Cal/86.

Jhawar, M.—224/Bom/86.

Joshi, K. S.—694/Mas/86.

Joshi, S. P.—694/Mas/86.

Jurtin, L. O.—623/Cal/86.

K

Kabushiki Kaisha Toshiba.—216/Bom/86.

Kale, N. B.—232/Bom/86.

Kelsey-Hayes Company.—608/Cal/86.

Kingsway Enterprises Private Limited.—726/Del/86.

Kirloskar Brothers Limited.—215/Bom/86, 230/Bom/86.

Kittappa, R.—218/Bom/86.

Konstantinov, V. A.—630/Cal/86.

Kraftwerk Union Aktiengesellschaft.—643/Cal/86.

Kyowa Kakko Kogyo Co. Ltd.—660/Mas/86.

L

LGZ Landis & Gyr Zug AG.—712/Del/86.

Lee, Y. H.—634/Cal/86.

Levent OY.—612/Cal/86.

Linde Aktiengesellschaft.—655/Mas/86, 656/Mas/86, 657/Mas/86.

Lking, M.—619/Mas/86.

Lubrizol Corporation, The—707/Del/86, 708/Del/86, 772/Del/86.

Lubrizol India Ltd.—233/Bom/86.

Lucas Industries Public Limited Company.—648/Mas/86, 686/Mas/86, 687/Mas/86, 688/Mas/86.

Name	Appln. No.

M

Magyar Szenhidrogenipari Kutato-Fejleszto Intezet.—634/Mas/86, 635/Mas/86.

Mannesmann Aktiengesellschaft.—654/Mas/86.

Medical College of Ohio.—641/Mas/86.

Maschinenfabric Rieter AG.—658/Mas/86.

Merck Patent Gesellschaft Mit Reschrankter Haftung.—604/Cal/86.

Merck Patent Gesellschaft mit beschrankter Haftung.—615/Cal/86.

Metal Box p.l.c.—624/Mas/86.

Mhatre, H. K.—238/Bom/86.

Mhatre, K. H.—238/Bom/86.

Michelin & CIE (Compagnie Generale des Es Etablissements Michelin).—659/Mas/86.

Midrex International B. V.—Rotterdam.—616/Cal/86.

Minnesota Mining and Manufacturing Company.—661/Mas/86.

Mitsuba Electric Manufacturing Company, Ltd.—590/Cal/86.

Mitsubishi Denki Kabushiki Kaisha.—652/Cal/86.

Monoilo, A.M.—623/Cal/86.

Mosaic Systems, Inc.—624/Cal/86, 625/Cal/86, 626/Cal/86.

Muirhead Vectric Components Limited.—674/Mas/86.

Mukherjee, N. D.—591/Cal/86.

Mull, V.—752/Del/86.

Murashko, A. N.—630/Cal/86.

N

NRM Corporation.—701/Del/86.

National Council for Cement and Building Materials.—720/Del/86, 721/Del/86, 722/Del/86, 723/Del/86, 774/Del/86.

Nayak, U. V.—621/Mas/86.

Nippon Chemiphar Co., Ltd.—677/Mas/86.

Nizhnetagilsky Metallurgichesky Kombinat Imeni V. I. Lenina.—618/Cal/86.

Novo Industri A/S.—668/Mas/86.

Nuchem Plastics Limited.—754/Del/86.

O

O' Sullivan, M. H.—696/Mas/86.

Oil & Natural Gas Commission.—750/Del/86.

Otdelenie Vsesojuznogo Nauchno-Issledovatelskogo Proektno-Konstruktorskogo I tekhnologicheskogo Instituta Istochnikov Toka Nauchno-Proiz vodstvennogo Obiedinenia "Kvant".—606/Cal/86.

Otto India Private Limited.—620/Cal/86.

Owens-Illinois, Inc.—623/Mas/86, 651/Mas/86.

P

PKA Pyrolyse Kraft-anlagen GMBH.—621/Cal/86.

Panchal, D. L.—242/Bom/86.

Panchal, K. D.—242/Bom/86.

Panchal, M. D.—242/Bom/86.

Name	Appln. No.

P—*Contd.*

Pannalal, A.—225/Bom/86.

Pannalal, D.—225/Bom/86.

Pannalal, P.—225/Bom/86.

Peterson Filters Corporation.—719/Del/86, 725/Del/86.

Pfizer Inc.—740/Del/86.

Plessey Overseas Limited.—625/Mas/86, 662/Mas/86.

Poclain Hydraulics.—700/Del/86.

Primages Inc.—756/Del/86.

Public Health Laboratory Service Board.—639/Mas/86.

Puralator Products Inc.—609/Cal/86.

Puthenveetil, T. G.—622/Mas/86.

R

R. Clarke & Co. (Moulds) Limited.—690/Mas/86.

R. T. Venderbilt Company, Inc.—647/Mas/86.

Rangaswamy, K.—751/Del/86, 753/Del/86.

Rank Taylor Hobson Limited.—586/Cal/86.

Rank Taylor Hobson Limited.—618/Mas/86.

Rasmussen, O. B.—644/Mas/86.

Rau, R. H. G. (Dr.)—610/Cal/86 & 611/Cal/86.

Raychem Corporation.—643/Mas/86.

Reimbold & Strick GMBH & Co.—667/Mas/86.

Rhone-Poulenc Specialities Chimiques.—652/Mas/86.

Richter Gedeon Vegyeszeti Gyar Rt.—665/Mas/86.

Rinefas Ltd.—745/Del/86.

Rodriques, D. D.—235/Bom/86.

Roto-Master, Inc.—588/Cal/86.

Rowell, R. M.—645/Mas/86.

Roy, N. C.—650/Cal/86.

S

SCM Corporation.—655/Cal/86.

STC PLC.—728/Del/86, 729/Del/86.

Safari Industries (India) Ltd.—244/Bom/86.

Sanden Corporation.—771/Del/86.

Sarkar, A. K.—598/Cal/86.

Schlumberger Limited.—685/Mas/86.

Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—631/Mas/86, 698/Mas/86, 699/Mas/86, 700/Mas/86.

Scapa Porritt Ltd.—706/Del/86.

Shah, R. (Dr.)—620/Mas/86.

Shah, R. V.—610/Cal/86, 611/Cal/86.

Sharma, B. A. V. K.—640/Mas/86.

Sharma, M.—760/Del/86.

Sharma, S. (Smt.)—760/Del/86.

Shell Internationale Research Maatschappij B. V.—633/Mas/86, 692/Mas/86.

Shell Internationale Research Maatschappij B. V.—724/Del/86.

Shelmentsev, T.—630/Cal/86.

Shevchik, A. N.—630/Cal/86.

Siemens Aktiengesellschaft.—637/Cal/86, 645/Cal/86, 646/Cal/86, 647/Cal/86, 648/Cal/86, 649/Cal/86.

Simonson, R.—645/Mas/86.

Sims, D. V.—243/Bom/86.

Sims, M. J.—243/Bom/86.

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S—*Contd.*	
Singh, N. P.	749/Del/86.
Societe des Produits Nestle S. A.	632/Mas/86, 653/Mas/86.
Societe Nationale Des Poudres Et Explosifs.	736/Del/86.
Source Technology Corporation.	592/Cal/86.
Sree Chitra Tirunal Institute for Medical Sciences & Technology.	671/Mas/86.
Stamicarbon B. V.	629/Mas/86, 630/Mas/86.
Standard Oil Company, The.	741/Del/86.
Steel Authority of India Ltd.	717/Del/86.
Stock, J.	629/Cal/86.
Subramanian, R. G.	676/Mas/86.
Sulzer Brothers Ltd.	775/Del/86.
Sumitomo Chemical Company Ltd.	683/Mas/86.
Sun Industrial Coatings Private Limited.	727/Del/86.
Sylvest, H. E.	628/Cal/86.
T	
Tambat, N. D. (Dr).	611/Cal/86.
Ten Cate Over-All Fabrics B.V.	605/Cal/86.
Texaco Development Corporation.	622/Cal/86.
Texas A & M University System, The.	663/Mas/86, 664/Mas/86.
TIL EX FRANCE SARL.	718/Del/86.
Tillman. A. M.	645/Mas/86.
Trustees of Columbia University.	641/Cal/86.
Trutzschler Gmbh & Co. KG.	642/Cal/86.
Tube Investments of India Limited.	617/Mas/86.
Turkmensky Gosudarstvenny Meditsinsky Institut.	606/Cal/86.
U	
UOP INC.	763/Del/86.
Union Oil Company of California.	628/Mas/86.
Uniroyal Chemical Company, Inc.	733/Del/86, 734/Del/86, 776/Del/86.
Uralsky Nauchno-Issledovatesky Institut Chernykh Metal.	618/Cal/86.
V	
Verma, O. P.	716/Del/86.
Voogt, S.	746/Del/86.
Vsesojuzny Nauchno Issledovatelsky, Procktno-Konstruktoraky I Tekhnologichesky Institut Elektro Termicheskogo Oborudovania (Vniiet o).	617/Cal/86.
W	
Wagh, A. S.	236/Bom/86.
Walvekar, H. K.	627/Mas/86.
Y	
Yankoff, G. K.	765/Del/86.
York Ltd.	743/Del/86.
Z	
Zwiegelaar, J. H.	748/Del/86.

(R. A. ACHARYA)
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